

# Converting Colors

XYZ(75.5563, 85.3038,  
106.9664)

Have a look what the booklet for  
XYZ(75.5563, 85.3038, 106.9664)  
contains.

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# Color

**XYZ(75.6042, 85.3622,  
107.0995)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCF5FF
RGB	204, 245, 255
RGB Percent	80%, 96%, 100%
CMY	0.2000, 0.0392, 0.0000
CMYK	0.20, 0.04, 0.00, 0.00
HSL	192°, 100%, 90%
HSV	192°, 20%, 100%
XYZ	75.6042, 85.3622, 107.0995
YIQ	233.8810, -27.6460, -5.5820

# Conversions

## Conversions Part 2

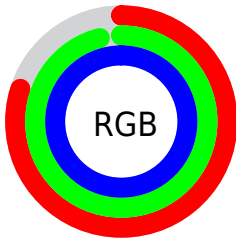
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	204, 227, 255
Decimal	13432319
CIE Lab	94.04, -11.03, -9.18
CIE LCh	94, 14.351, 219.767
Yxy	85.3622, 0.2820, 0.3184
Android (android.graphics.Color)	4291622399 (0xFFCCCF5FF)
YUV	233.8810, 10.4117, -26.2056
Hunter-Lab	92.3917, -15.6187, -4.0542

# Details

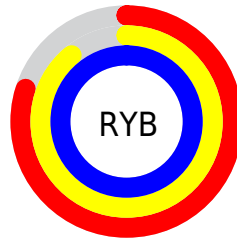
The XYZ color **75.6042, 85.3622, 107.0995** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.1853, 73.7116, 67.3407**, and the grayscale version is **78.0573, 82.1224, 89.4313**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.7851, 46.8620, 60.3217** is the 20% darker color. If you saturate the color by 10%, you get **67.6879, 79.0690, 106.3021**, and if you desaturate by 10%, it is **84.7101, 92.3337, 107.9652**.

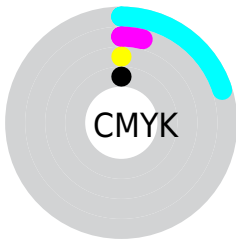
# Distribution



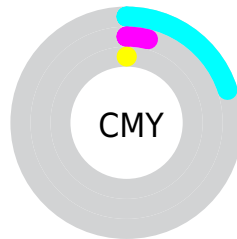
- Red (80%)
- Green (96%)
- Blue (100%)



- Red (80%)
- Yellow (89%)
- Blue (100%)



- Cyan (20%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (4%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.6042, 85.3622, 107.0995 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 75.6042, 85.3622, 107.0995 by changing the saturation by 10% instead.



75.6042, 85.3622,  
107.0995

75.6042, 85.3622,  
107.0995

468.9570,  
512.8258, 604.1624

56.4039, 64.1407,  
81.5929

126.1506,  
140.8791, 173.0165

40.7651, 46.7646,  
60.4962

158.2275,  
175.9433, 214.2639

28.3225, 32.8496,  
43.3908

195.3272,  
216.3905, 261.5954

18.7106, 22.0113,  
29.8582

237.8152,  
262.6052, 315.4295

11.5641, 13.8652,  
19.4798

286.0568,  
314.9716, 376.1847

6.5177, 8.0270,  
11.8372

340.4174,

3.2060, 4.1122,

373.8743, 444.2795

6.5117

401.2624,  
439.6976, 520.1326

■ 1.2636, 1.7365,  
3.0849

■ 0.1557, 0.4471,  
1.1381

■ 75.6042, 85.3622,  
107.0995

■ 75.6042, 85.3622,  
107.0995

■ 67.6879, 79.0690,  
106.3021

■ 84.7101, 92.3337,  
107.9652

■ 60.8984, 73.4147,  
105.5685

95.0500, 100.0000,  
108.9000

■ 55.1776, 68.3710,  
104.8965

■ 50.4588, 63.9030,  
104.2828

■ 46.6681, 59.9722,  
103.7239

■ 43.7206, 56.5343,  
103.2156

■ 41.5152, 53.5367,  
102.7533

■ 39.8869, 50.8938,  
102.3290

■ 39.8868, 50.8936,  
102.3289

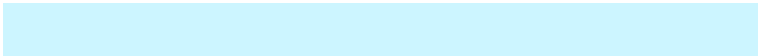
# Harmonies

## Analogous

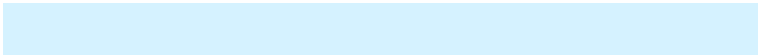
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.0908, 85.3622, 96.5690



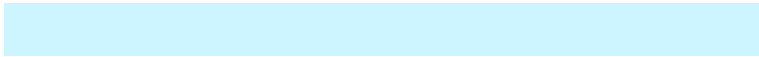
75.6042, 85.3622, 107.0995



78.6139, 85.3622, 114.1723

# Triad

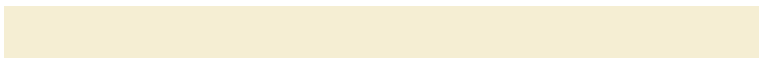
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.6042, 85.3622, 107.0995



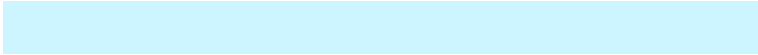
88.2422, 85.3622, 100.4314



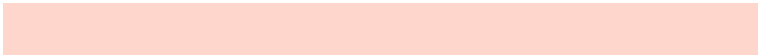
79.8913, 85.3622, 73.6705

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



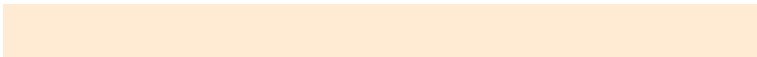
75.6042, 85.3622, 107.0995



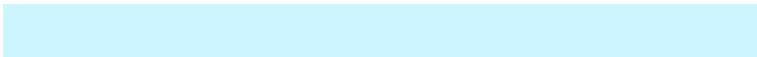
76.1853, 73.7116, 67.3407

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.7078, 85.3622, 74.5266



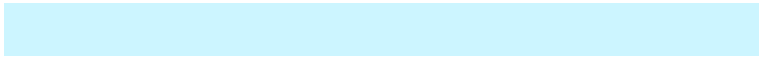
75.6042, 85.3622, 107.0995



88.6104, 85.3622, 89.4127

# Square

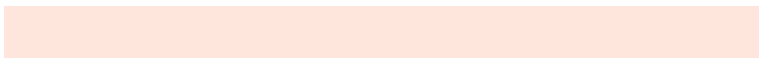
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.6042, 85.3622, 107.0995



85.9367, 85.3622, 110.1174



86.9275, 85.3622, 80.0959

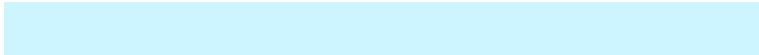


76.5140, 85.3622, 77.6576

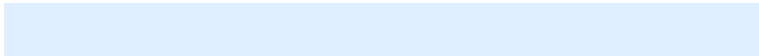


# Rectangle

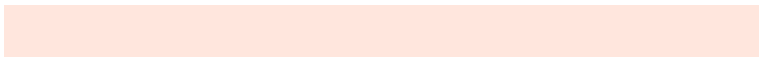
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.6042, 85.3622, 107.0995



81.1043, 85.3622, 115.6713



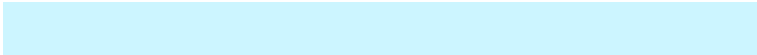
86.9275, 85.3622, 80.0959



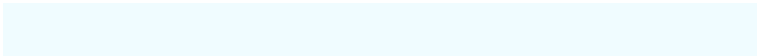
81.1641, 85.3622, 73.4091

# Sweetspot

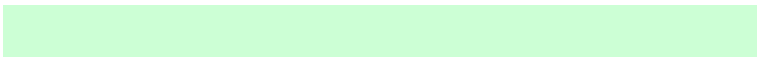
The Sweet Spot groups the original color and five complimentary colors.



75.6065, 85.3656, 107.1001



88.6942, 95.3145, 108.3306



72.7175, 89.1797, 76.5661



18.8420, 20.2954, 23.1743



0.0000, 0.0000, 0.0000

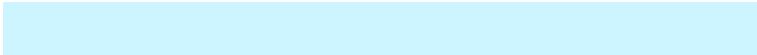


20.3446, 21.4041, 23.3091

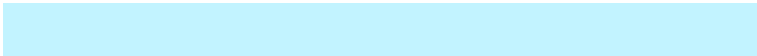


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.6065, 85.3656, 107.1001



72.2991, 82.7673, 106.7729



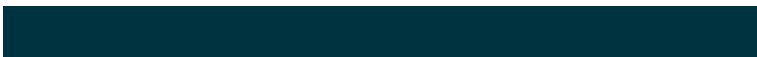
68.5856, 71.3238, 104.7598



18.2346, 19.8408, 23.1185



20.9487, 26.8070, 53.5047



2.1133, 2.7574, 5.2341



# Inverse Universe

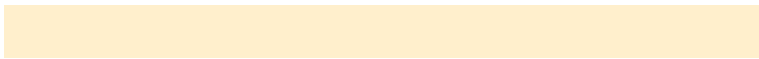
The Inverse Universe completely reimagines the original color for something new.



79.3157, 71.0398, 95.9219



76.6658, 66.2260, 93.5405



82.9622, 87.2654, 69.5996



18.6311, 18.2357, 21.9403



27.3621, 13.4341, 31.6211

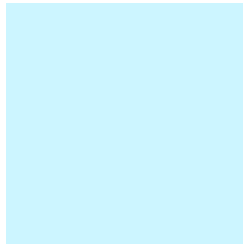


2.7013, 1.3229, 3.2746



# Previews

## White Background



This preview shows how the XYZ color 75.6042, 85.3622, 107.0995 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

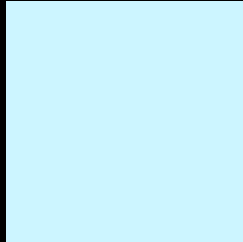
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.6042, 85.3622, 107.0995 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

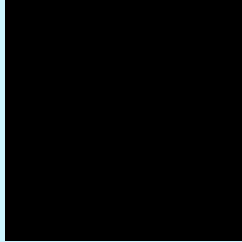
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 75.6042, 85.3622, 107.0995

## Background



This preview shows how black text looks on a background with the XYZ color 75.6042, 85.3622, 107.0995.



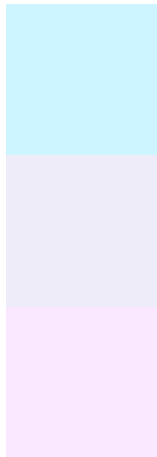
This preview shows how white text looks on a background with the XYZ color 75.6042, 85.3622,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

75.6042, 85.3622, 107.0995

### Protanopia

82.3542, 85.0076, 101.6901

### Deuteranopia

85.9735, 85.0730, 106.4972



## Tritanopia

78.4174, 85.4760, 106.9732

# Trichromacy



## Original Color

75.6042, 85.3622, 107.0995

## Protanomaly

79.6431, 84.8668, 103.4501

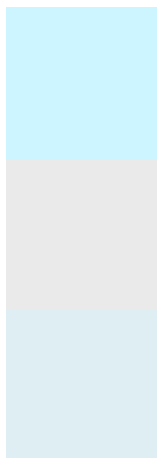
## Deuteranomaly

81.9385, 85.1120, 106.7174

## Tritanomaly

77.2520, 85.3182, 107.0042

# Monochromacy



## Original Color

75.6042, 85.3622, 107.0995

## Achromatopsia

78.2058, 82.2786, 89.6014

## Achromatomaly

77.0330, 83.2479, 96.0128

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.6042, 85.3622, 107.0995 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(204, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 245, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(204, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 245, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 75.6042, 85.3622, 107.0995 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(204, 245, 255) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(204, 245, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(204, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 245,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.6042, 85.3622, 107.0995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 245, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(204,  
245, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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