

Converting Colors

XYZ(99.0587, 94.3249,
229.2775)

Have a look what the booklet for
XYZ(99.0587, 94.3249, 229.2775)
contains.

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Color

**XYZ(75.8543, 85.0432,
107.0248)**

Conversions

Conversions Part 1

Format	Color
Hex	CEF4FF
RGB	206, 244, 255
RGB Percent	81%, 96%, 100%
CMY	0.1921, 0.0431, 0.0000
CMYK	0.19, 0.04, 0.00, 0.00
HSL	193°, 100%, 90%
HSV	193°, 19%, 100%
XYZ	75.8543, 85.0432, 107.0248
YIQ	233.8920, -26.1790, -4.6350

Conversions

Conversions Part 2

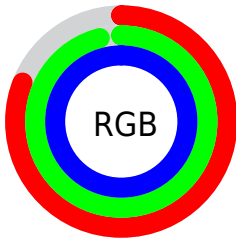
Format	Color
R _Y B	206, 227, 255
Decimal	13563135
CIE Lab	93.90, -9.93, -9.37
CIE LCh	94, 13.652, 223.342
Yxy	85.0432, 0.2831, 0.3174
Android (android.graphics.Color)	4291753215 (0xFFCEF4FF)
YUV	233.8920, 10.4062, -24.4613
Hunter-Lab	92.2189, -14.5585, -4.2559

Details

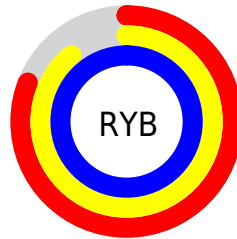
The XYZ color **75.8543, 85.0432, 107.0248** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.1932, 75.3409, 68.8680**, and the grayscale version is **78.0649, 82.1304, 89.4400**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.9388, 46.6230, 60.2675** is the 20% darker color. If you saturate the color by 10%, you get **67.6466, 78.2976, 106.1553**, and if you desaturate by 10%, it is **85.2684, 92.4945, 107.9668**.

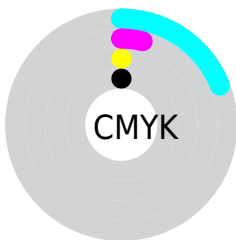
Distribution



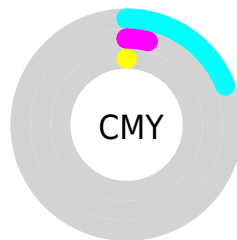
- Red (81%)
- Green (96%)
- Blue (100%)



- Red (81%)
- Yellow (89%)
- Blue (100%)



- Cyan (19%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (19%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.8543, 85.0432, 107.0248 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 75.8543, 85.0432, 107.0248 by changing the saturation by 10% instead.

75.8543, 85.0432,
107.0248

75.8543, 85.0432,
107.0248

469.8009,
511.7710, 603.9256

56.6097, 63.8771,
81.5306

126.5024,
140.4335, 172.9136

40.9309, 46.5511,
60.4451

158.6366,
175.4265, 214.1453

28.4525, 32.6809,
43.3499

195.7980,
215.7973, 261.4600

18.8092, 21.8821,
29.8263

238.3520,
261.9302, 315.2760

11.6357, 13.7703,
19.4558

286.6639,
314.2096, 376.0121

6.5666, 7.9611,
11.8200

341.0991,

3.2364, 4.0701,

373.0199, 444.0867

6.5002

402.0230,
438.7456, 519.9183

■ 1.2800, 1.7128,
3.0779

■ 0.1682, 0.4319,
1.1345

■ 75.8543, 85.0432,
107.0248

■ 75.8543, 85.0432,
107.0248

■ 67.6466, 78.2976,
106.1553

■ 85.2684, 92.4945,
107.9668

■ 60.5828, 72.2182,
105.3542

95.0500, 100.0000,
108.9000

■ 54.6047, 66.7764,
104.6189

■ 49.6464, 61.9375,
103.9462

■ 45.6341, 57.6628,
103.3326

■ 42.4840, 53.9083,
102.7739

■ 40.0963, 50.6217,
102.2654

■ 38.3212, 47.7251,
101.7999

■ 38.1934, 47.5068,
101.7645

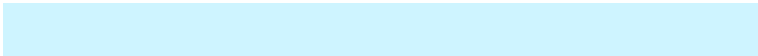
Harmonies

Analogous

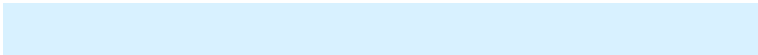
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.2201, 85.0432, 97.2932



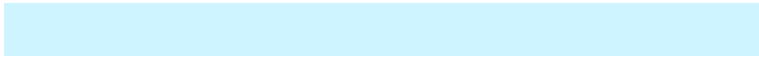
75.8543, 85.0432, 107.0248



78.8442, 85.0432, 113.1258

Triad

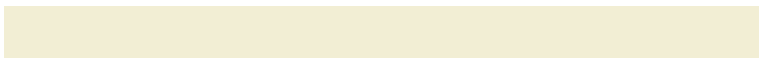
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.8543, 85.0432, 107.0248



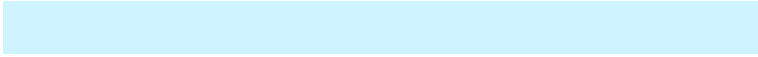
87.7127, 85.0432, 98.4543



79.2291, 85.0432, 74.4568

Complementary

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



75.8543, 85.0432, 107.0248



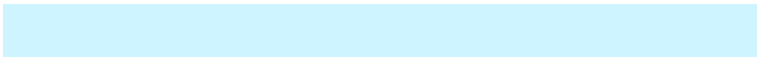
77.1932, 75.3409, 68.8680

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.



82.8509, 85.0432, 74.7163



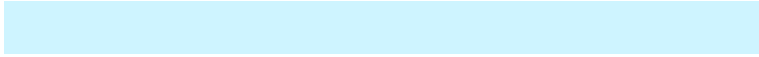
75.8543, 85.0432, 107.0248



87.8233, 85.0432, 88.0555

Square

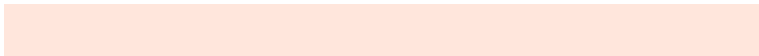
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.8543, 85.0432, 107.0248



85.7230, 85.0432, 107.9295



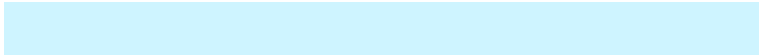
86.0208, 85.0432, 79.5289



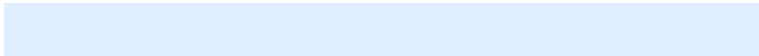
76.1288, 85.0432, 78.7911

Rectangle

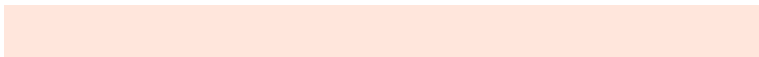
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



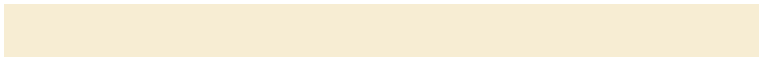
75.8543, 85.0432, 107.0248



81.2390, 85.0432, 114.0494



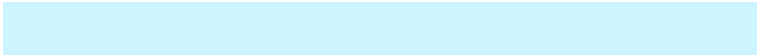
86.0208, 85.0432, 79.5289



80.4243, 85.0432, 74.0200

Sweetspot

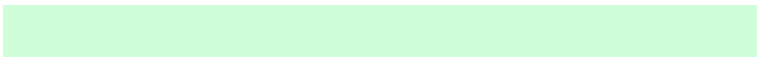
The Sweet Spot groups the original color and five complimentary colors.



75.8565, 85.0466, 107.0253



88.5579, 95.0418, 108.2851



73.6892, 89.6321, 78.8029



18.8097, 20.2308, 23.1635



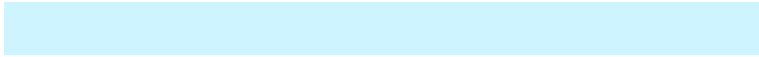
0.0000, 0.0000, 0.0000



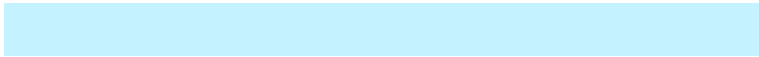
20.3446, 21.4041, 23.3091

Same Dimension

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



75.8565, 85.0466, 107.0253



72.6103, 82.4112, 106.6877



69.0674, 71.4684, 104.7623



18.1888, 19.7493, 23.1033



20.0738, 25.0572, 53.2131



2.0353, 2.6013, 5.2081

Inverse Universe

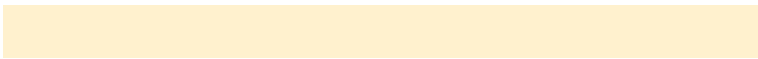
The Inverse Universe completely reimagines the original color for something new.



79.6419, 71.9359, 95.2794



77.0618, 67.2991, 92.8061



83.8710, 88.6965, 71.0939



18.6080, 18.2265, 21.8186



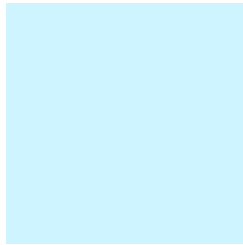
26.9205, 13.2575, 29.2957



2.6619, 1.3071, 3.0672

Previews

White Background



This preview shows how the XYZ color 75.8543, 85.0432, 107.0248 looks on a white background.

Color Contrast Check

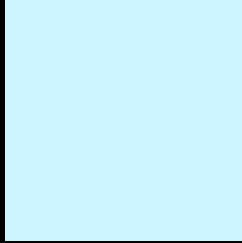
Large Text (above 18pt) WCAG AA × Fail

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 75.8543, 85.0432, 107.0248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

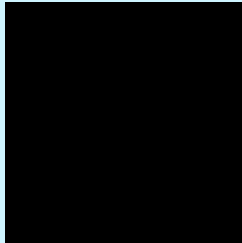
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 75.8543, 85.0432, 107.0248

Background



This preview shows how black text looks on a background with the XYZ color 75.8543, 85.0432, 107.0248.



This preview shows how white text looks on a background with the XYZ color 75.8543, 85.0432,

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

75.8543, 85.0432, 107.0248

Protanopia

82.1758, 84.8976, 102.4982

Deuteranopia

85.6928, 84.5116, 106.4036



Tritanopia

78.1206, 84.8823, 106.8743

Trichromacy



Original Color

75.8543, 85.0432, 107.0248

Protanomaly

79.8012, 84.9300, 104.2826

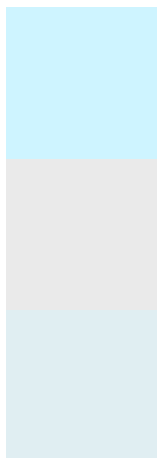
Deuteranomaly

81.6497, 84.5345, 106.6211

Tritanomaly

77.2427, 84.8704, 106.9182

Monochromacy



Original Color

75.8543, 85.0432, 107.0248

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.3420, 83.4072, 96.0272

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.8543, 85.0432, 107.0248 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(206, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(206, 244, 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(206, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 244, 255) }
```

Border

The CSS property to change the border of an element to XYZ 75.8543, 85.0432, 107.0248 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(206, 244, 255) }
```


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

```
.border{ border-color:rgb(206, 244, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(206, 244,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 75.8543, 85.0432, 107.0248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 244, 255) }
```

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

```
.background{ background-color: rgb(206,  
244, 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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