

# Converting Colors

XYZ(71.6636, 77.8862,  
105.8642)

Have a look what the booklet for  
XYZ(71.6636, 77.8862, 105.8642)  
contains.

<b>XYZ(71.5352, 77.6297, 105.8215)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(71.5352, 77.6297,  
105.8215)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CBE8FF
RGB	203, 232, 255
RGB Percent	80%, 91%, 100%
CMY	0.2039, 0.0902, 0.0000
CMYK	0.20, 0.09, 0.00, 0.00
HSL	207°, 100%, 90%
HSV	207°, 20%, 100%
XYZ	71.5352, 77.6297, 105.8215
YIQ	225.9510, -24.6670, 1.0050

# Conversions

## Conversions Part 2

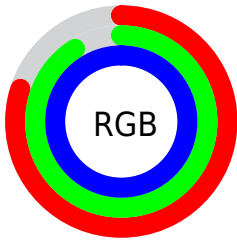
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	203, 222, 255
Decimal	13363455
CIE Lab	90.61, -4.72, -14.30
CIE LCh	91, 15.055, 251.735
Yxy	77.6297, 0.2805, 0.3044
Android (android.graphics.Color)	4291553535 (0xFFCBE8FF)
YUV	225.9510, 14.3212, -20.1280
Hunter-Lab	88.1077, -9.2633, -9.5347

# Details

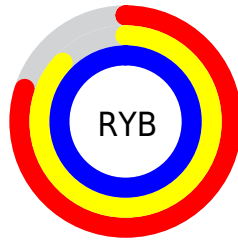
The XYZ color **71.5352, 77.6297, 105.8215** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.2156, 79.9636, 67.7610**, and the grayscale version is **72.1676, 75.9260, 82.6834**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.9311, 41.4238, 59.4225** is the 20% darker color. If you saturate the color by 10%, you get **62.0808, 68.1954, 104.4988**, and if you desaturate by 10%, it is **82.3397, 88.0663, 107.2665**.

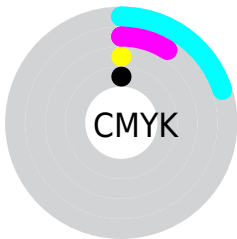
# Distribution



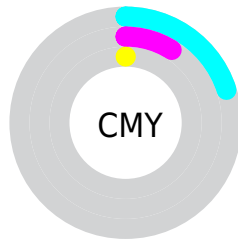
- Red (80%)
- Green (91%)
- Blue (100%)



- Red (80%)
- Yellow (87%)
- Blue (100%)



- Cyan (20%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (9%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.5352, 77.6297, 105.8215 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 71.5352, 77.6297, 105.8215 by changing the saturation by 10% instead.



■ 71.5352, 77.6297,  
105.8215

■ 71.5352, 77.6297,  
105.8215

455.1050,  
486.9083, 600.1054

■ 53.0632, 57.7698,  
80.5273

120.4099,  
130.0280, 171.2559

■ 38.0809, 41.6236,  
59.6236

151.5432,  
163.3352, 212.2332

■ 26.2230, 28.8067,  
42.6920

187.6277,  
201.8937, 259.2752

■ 17.1241, 18.9346,  
29.3139

229.0287,  
246.0877, 312.8005

■ 10.4188, 11.6231,  
19.0708

276.1116,  
296.3019, 373.2276

■ 5.7419, 6.4876,  
11.5441

329.2417,

■ 2.7280, 3.1438,

352.9204, 440.9751

6.3153

388.7844,  
416.3278, 516.4615

■ 1.0116, 1.2072,  
2.9659

■ 0.0000, 0.0676,  
1.0772

■ 71.5352, 77.6297,  
105.8215

■ 71.5352, 77.6297,  
105.8215

■ 62.0808, 68.1954,  
104.4988

■ 82.3397, 88.0663,  
107.2665

■ 53.9105, 59.7179,  
103.2931

94.5435, 99.5303,  
108.8360

■ 46.9622, 52.1614,  
102.2007

95.0500, 100.0000,  
108.9000

■ 41.1654, 45.4835,  
101.2173

■ 36.4419, 39.6377,  
100.3379

■ 32.7023, 34.5716,  
99.5571

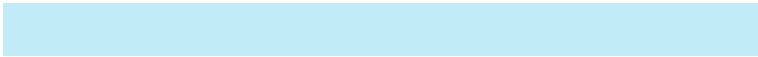
■ 29.8406, 30.2241,  
98.8688

■ 27.7571, 26.6341,  
98.2857

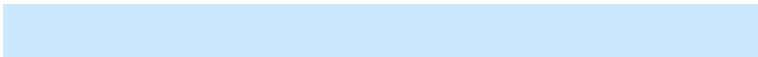
# Harmonies

## Analogous

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



68.5044, 77.6297, 99.1185



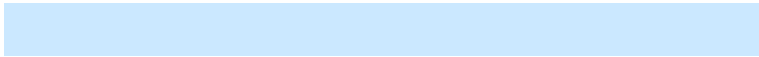
71.5352, 77.6297, 105.8215



75.2695, 77.6297, 106.5343

# Triad

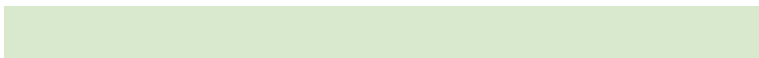
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.5352, 77.6297, 105.8215



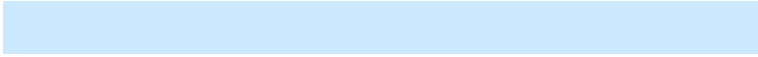
81.1151, 77.6297, 80.3714



69.0618, 77.6297, 69.9554

# Complementary

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



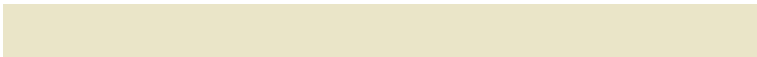
71.5352, 77.6297, 105.8215



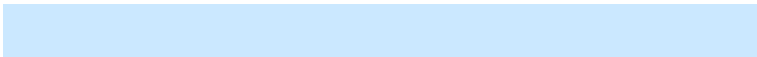
79.2156, 79.9636, 67.7610

# 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.



72.3196, 77.6297, 65.7781



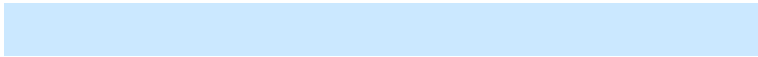
71.5352, 77.6297, 105.8215



79.3296, 77.6297, 71.4402

# Square

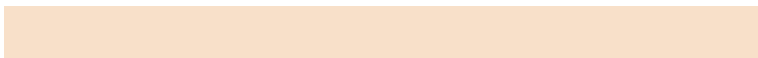
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.5352, 77.6297, 105.8215



80.8876, 77.6297, 91.2031



76.0809, 77.6297, 66.2974

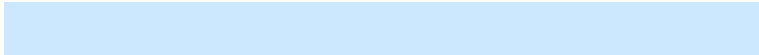


67.1103, 77.6297, 78.1822



# Rectangle

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



71.5352, 77.6297, 105.8215



77.6652, 77.6297, 103.4479



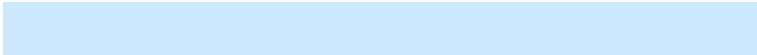
76.0809, 77.6297, 66.2974



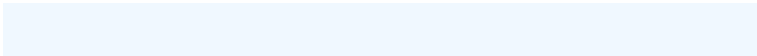
70.0356, 77.6297, 68.0639

# Sweetspot

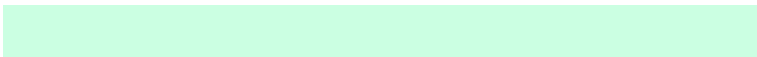
The Sweet Spot groups the original color and five complimentary colors.



71.5373, 77.6328, 105.8219



87.5227, 92.9714, 107.9401



74.0531, 89.6824, 85.0248



18.5647, 19.7408, 23.0818



0.0000, 0.0000, 0.0000

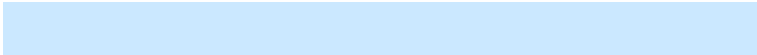


20.3446, 21.4041, 23.3091

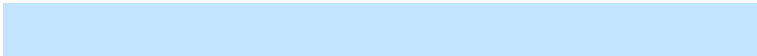


# Same Dimension

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



71.5373, 77.6328, 105.8219



67.9723, 74.1139, 105.3306



64.8638, 64.2858, 103.5974



17.8434, 19.0583, 22.9881



14.6550, 14.2196, 51.4068



1.5359, 1.6024, 5.0416



# Inverse Universe

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



77.1627, 69.7996, 85.7532



74.4819, 65.3524, 82.0401



86.6839, 94.9001, 70.2505



18.4336, 18.1567, 20.9004



24.1854, 12.1634, 14.8925

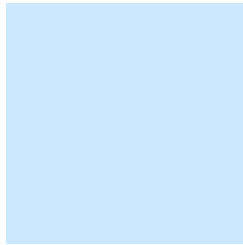


2.4098, 1.2063, 1.7397



# Previews

## White Background



This preview shows how the XYZ color 71.5352, 77.6297, 105.8215 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

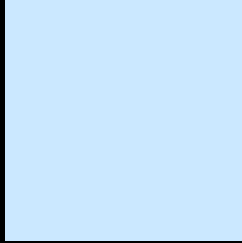
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.5352, 77.6297, 105.8215 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

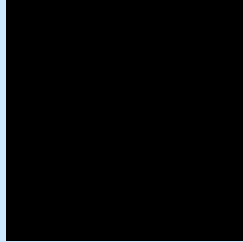
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

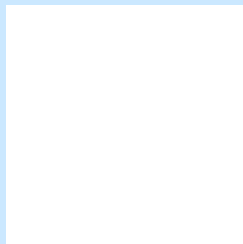
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 71.5352, 77.6297, 105.8215

## Background



This preview shows how black text looks on a background with the XYZ color 71.5352, 77.6297, 105.8215.



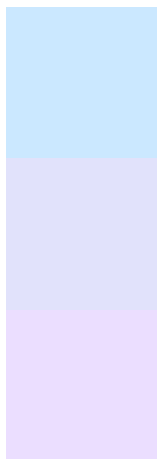
This preview shows how white text looks on a background with the XYZ color 71.5352, 77.6297,



# 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

71.5352, 77.6297, 105.8215

### Protanopia

75.6603, 77.3653, 102.2121

### Deuteranopia

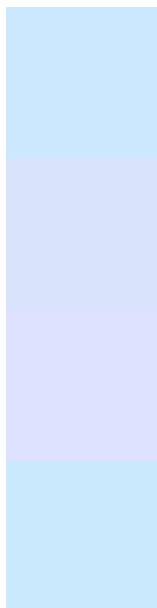
78.4322, 77.1247, 105.3605



## Tritanopia

70.9086, 77.7994, 102.5463

# Trichromacy



## Original Color

71.5352, 77.6297, 105.8215

## Protanomaly

73.9294, 77.2668, 103.1129

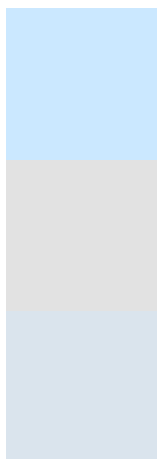
## Deuteranomaly

75.6778, 77.3007, 105.5396

## Tritanomaly

71.0667, 77.8627, 103.3788

# Monochromacy



## Original Color

71.5352, 77.6297, 105.8215

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

71.9429, 76.5067, 91.0962

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.5352, 77.6297, 105.8215 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(203, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(203, 232, 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(203, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 232, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 71.5352, 77.6297, 105.8215 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(203, 232, 255) }
```



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

```
.border{ border-color:rgb(203, 232, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(203, 232,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.5352, 77.6297, 105.8215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 232, 255) }
```

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

```
.background{ background-color: rgb(203,  
232, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor