

Converting Colors

XYZ(67.8751, 77.2338,
108.1398)

Have a look what the booklet for
XYZ(67.8751, 77.2338, 108.1398)
contains.

XYZ(67.5739, 77.2782, 105.9624)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(67.5739, 77.2782,
105.9624)**

Conversions

Conversions Part 1

Format	Color
Hex	B7ECFF
RGB	183, 236, 255
RGB Percent	72%, 93%, 100%
CMY	0.2823, 0.0745, 0.0000
CMYK	0.28, 0.07, 0.00, 0.00
HSL	196°, 100%, 86%
HSV	196°, 28%, 100%
XYZ	67.5739, 77.2782, 105.9624
YIQ	222.3190, -37.6870, -5.3270

Conversions

Conversions Part 2

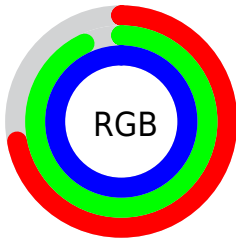
Format	Color
R _Y B	183, 214, 255
Decimal	12053759
CIE Lab	90.45, -12.58, -14.66
CIE LCh	90, 19.318, 229.373
Yxy	77.2782, 0.2694, 0.3081
Android (android.graphics.Color)	4290243839 (0xFFB7ECFF)
YUV	222.3190, 16.1117, -34.4828
Hunter-Lab	87.9080, -16.6281, -9.9313

Details

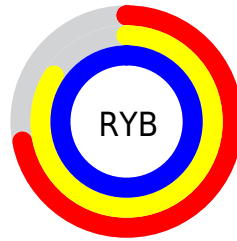
The XYZ color **67.5739, 77.2782, 105.9624** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.9078, 66.9195, 53.9811**, and the grayscale version is **69.5671, 73.1900, 79.7039**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **35.4164, 41.3089, 59.5329** is the 20% darker color. If you saturate the color by 10%, you get **60.1490, 70.6307, 105.0706**, and if you desaturate by 10%, it is **76.1747, 84.6441, 106.9308**.

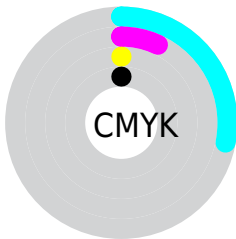
Distribution



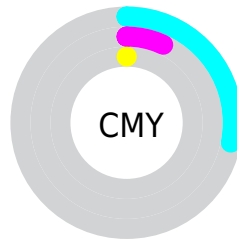
- Red (72%)
- Green (93%)
- Blue (100%)



- Red (72%)
- Yellow (84%)
- Blue (100%)



- Cyan (28%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (28%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.5739, 77.2782, 105.9624 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 67.5739, 77.2782, 105.9624 by changing the saturation by 10% instead.

67.5739, 77.2782,
105.9624

67.5739, 77.2782,
105.9624

441.3853,
485.7120, 600.5534

49.8236, 57.4812,
80.6447

114.7876,
129.5321, 171.4501

35.4905, 41.3917,
59.7197

144.9817,
162.7579, 212.4572

24.2092, 28.6253,
42.7690

180.0545,
201.2286, 259.5312

15.6145, 18.7976,
29.3738

220.3712,
245.3289, 313.0906

9.3409, 11.5241,
19.1158

266.2973,
295.4429, 373.5540

5.0231, 6.4205,
11.5763

318.1981,

2.2957, 3.1024,

351.9552, 441.3399

6.3369

376.4390,
415.2501, 516.8668

■ 0.7925, 1.1854,
2.9789

■ 0.0000, 0.0498,
1.0839

■ 67.5739, 77.2782,
105.9624

■ 67.5739, 77.2782,
105.9624

■ 60.1490, 70.6307,
105.0706

■ 76.1747, 84.6441,
106.9308

■ 53.8335, 64.6603,
104.2511

■ 86.0009, 92.7492,
107.9774

■ 48.5639, 59.3351,
103.5010

95.0500, 100.0000,
108.9000

■ 44.2669, 54.6161,
102.8166

■ 40.8596, 50.4591,
102.1938

■ 38.2437, 46.8125,
101.6278

■ 36.2845, 43.6053,
101.1120

■ 35.9737, 43.0674,
101.0246

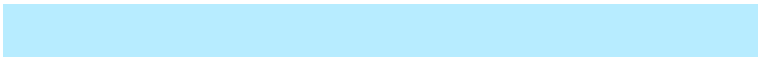
Harmonies

Analogous

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



65.0415, 77.2782, 93.2680



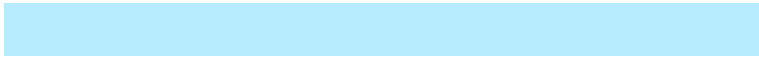
67.5739, 77.2782, 105.9624



71.7530, 77.2782, 113.0518

Triad

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



67.5739, 77.2782, 105.9624



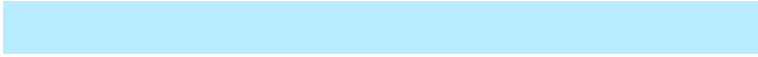
82.9515, 77.2782, 89.1383



70.4159, 77.2782, 61.4839

Complementary

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



67.5739, 77.2782, 105.9624



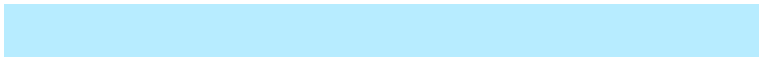
70.9078, 66.9195, 53.9811

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.



75.1748, 77.2782, 60.6370



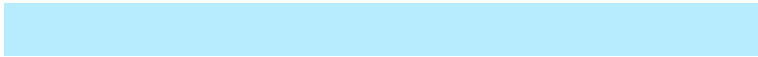
67.5739, 77.2782, 105.9624



82.5550, 77.2782, 75.6332

Square

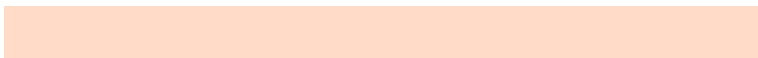
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



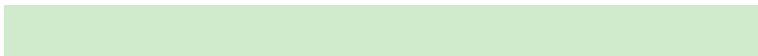
67.5739, 77.2782, 105.9624



80.7193, 77.2782, 102.6560



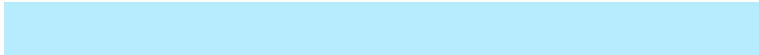
79.6585, 77.2782, 65.5452



66.6319, 77.2782, 68.0010

Rectangle

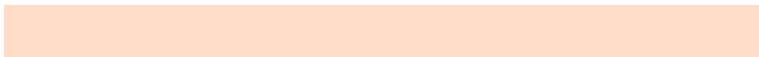
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.5739, 77.2782, 105.9624



74.9720, 77.2782, 113.1747



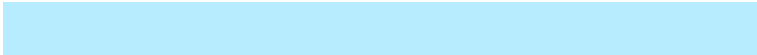
79.6585, 77.2782, 65.5452



71.9500, 77.2782, 60.5559

Sweetspot

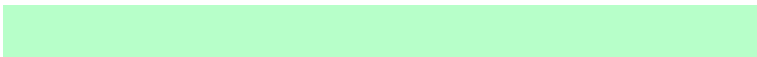
The Sweet Spot groups the original color and five complimentary colors.



67.5760, 77.2812, 105.9629



86.2459, 92.9480, 108.0029



65.8321, 85.8049, 68.3522



18.1256, 19.6227, 23.0822



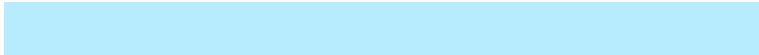
0.0000, 0.0000, 0.0000



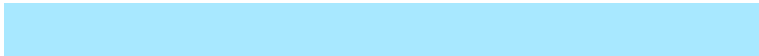
20.3446, 21.4041, 23.3091

Same Dimension

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



67.5760, 77.2812, 105.9629



63.1543, 73.3615, 105.4394



58.4665, 59.0621, 102.9264



18.1256, 19.6227, 23.0822



18.9256, 22.7607, 52.8304



1.9320, 2.3948, 5.1737

Inverse Universe

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



73.3152, 61.1847, 87.3060



69.8814, 55.2095, 83.4106



80.0720, 85.2479, 57.0358



18.5760, 18.2137, 21.6505



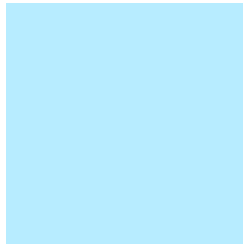
26.3410, 13.0257, 26.2437



2.6098, 1.2863, 2.7927

Previews

White Background



This preview shows how the XYZ color 67.5739, 77.2782, 105.9624 looks on a white background.

Color Contrast Check

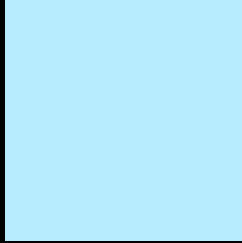
Large Text (above 18pt) WCAG AA × Fail

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 67.5739, 77.2782, 105.9624 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 67.5739, 77.2782, 105.9624

Background



This preview shows how black text looks on a background with the XYZ color 67.5739, 77.2782, 105.9624.

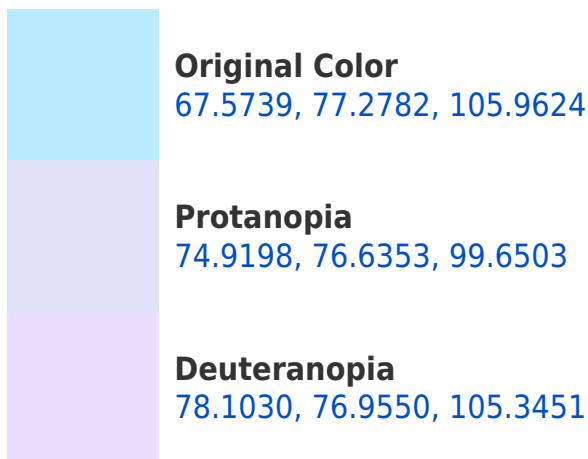


This preview shows how white text looks on a background with the XYZ color 67.5739, 77.2782,

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

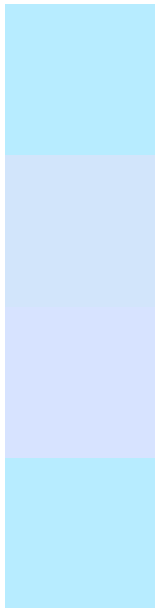




Tritanopia

67.5739, 77.2782, 105.9624

Trichromacy



Original Color

67.5739, 77.2782, 105.9624

Protanomaly

72.0102, 76.7053, 102.2770

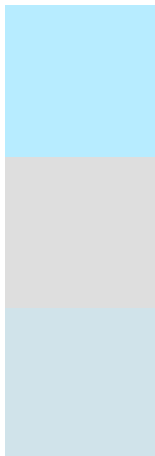
Deuteranomaly

73.5434, 76.6052, 105.5179

Tritanomaly

67.5739, 77.2782, 105.9624

Monochromacy



Original Color

67.5739, 77.2782, 105.9624

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

68.3328, 74.2886, 88.5795

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.5739, 77.2782, 105.9624 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(183, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(183, 236, 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(183, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 236, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.5739, 77.2782, 105.9624 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(183, 236, 255) }
```


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

```
.border{ border-color:rgb(183, 236, 255) }
```

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

Here you see how a box with a 4 pixel rgb(183, 236, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(183, 236,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.5739, 77.2782, 105.9624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 236, 255) }
```

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

```
.background{ background-color: rgb(183,  
236, 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