

Converting Colors

XYZ(69.5037, 75.5520,
105.5275)

Have a look what the booklet for
XYZ(69.5037, 75.5520, 105.5275)
contains.

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Color

**XYZ(69.6355, 75.8194,
105.5722)**

Conversions

Conversions Part 1

Format	Color
Hex	C6E6FF
RGB	198, 230, 255
RGB Percent	78%, 90%, 100%
CMY	0.2235, 0.0980, 0.0000
CMYK	0.22, 0.10, 0.00, 0.00
HSL	206°, 100%, 89%
HSV	206°, 22%, 100%
XYZ	69.6355, 75.8194, 105.5722
YIQ	223.2820, -27.0970, 0.9910

Conversions

Conversions Part 2

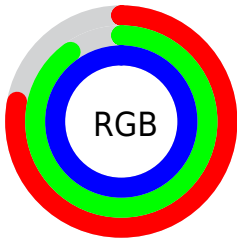
Format	Color
R_{YB}	198, 218, 255
Decimal	13035263
CIE _{Lab}	89.78, -5.18, -15.58
CIE _{LCh}	90, 16.419, 251.609
Yxy	75.8194, 0.2774, 0.3020
Android (android.graphics.Color)	4291225343 (0xFFC6E6FF)
YUV	223.2820, 15.6370, -22.1723
Hunter-Lab	87.0743, -9.6292, -10.9334

Details

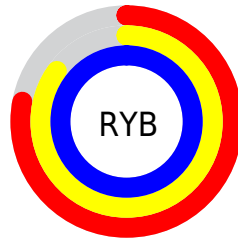
The XYZ color **69.6355, 75.8194, 105.5722** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.8205, 78.1117, 64.4032**, and the grayscale version is **70.2475, 73.9059, 80.4835**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.8507, 40.5768, 59.3159** is the 20% darker color. If you saturate the color by 10%, you get **60.4589, 66.6179, 104.2798**, and if you desaturate by 10%, it is **80.1474, 86.0095, 106.9850**.

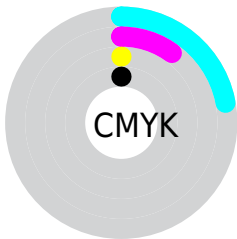
Distribution



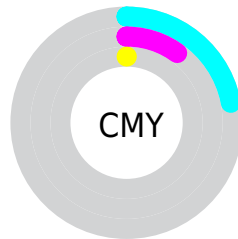
- Red (78%)
- Green (90%)
- Blue (100%)



- Red (78%)
- Yellow (85%)
- Blue (100%)



- Cyan (22%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.6355, 75.8194, 105.5722 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 69.6355, 75.8194, 105.5722 by changing the saturation by 10% instead.

■ 69.6355, 75.8194,
105.5722

■ 69.6355, 75.8194,
105.5722

448.5555,
480.7292, 599.3123

■ 51.5080, 56.2844,
80.3195

117.7179,
127.4716, 170.9122

■ 36.8357, 40.4310,
59.4536

148.4035,
160.3576, 211.8366

■ 25.2534, 27.8748,
42.5559

184.0058,
198.4627, 258.8220

■ 16.3957, 18.2313,
29.2080

224.8902,
242.1714, 312.2869

■ 9.8972, 11.1162,
18.9913

271.4220,
291.8680, 372.6498

■ 5.3926, 6.1450,
11.4873

323.9666,

■ 2.5165, 2.9335,

347.9369, 440.3293

6.2773

382.8893,
410.7625, 515.7440

■ 0.9036, 1.0971,
2.9429

■ 0.0000, 0.0000,
1.0656

■ 69.6355, 75.8194,
105.5722

■ 69.6355, 75.8194,
105.5722

■ 60.4589, 66.6179,
104.2798

■ 80.1474, 86.0095,
106.9850

■ 52.5512, 58.3594,
103.1025

■ 92.0446, 97.2137,
108.5206

■ 45.8489, 51.0076,
102.0367

■ 95.0500, 100.0000,
108.9000

■ 40.2805, 44.5196,
101.0779

■ 35.7659, 38.8483,
100.2211

■ 32.2133, 33.9399,
99.4610

■ 29.5123, 29.7312,
98.7910

■ 27.8985, 26.9170,
98.3328

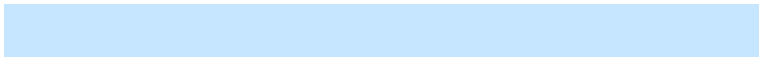
Harmonies

Analogous

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



66.3981, 75.8194, 98.2638



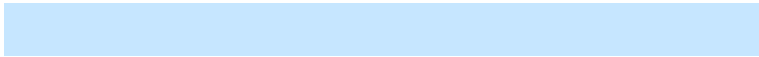
69.6355, 75.8194, 105.5722



73.6422, 75.8194, 106.3786

Triad

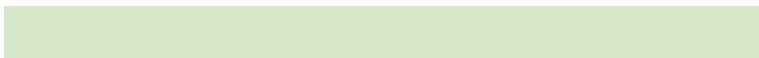
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.6355, 75.8194, 105.5722



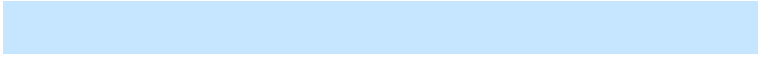
79.9626, 75.8194, 78.1483



67.0167, 75.8194, 66.9798

Complementary

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



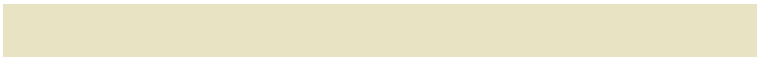
69.6355, 75.8194, 105.5722



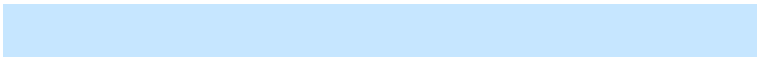
77.8205, 78.1117, 64.4032

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.



70.5087, 75.8194, 62.5826



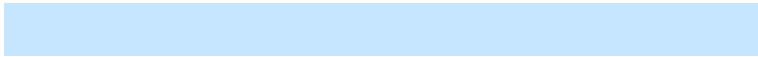
69.6355, 75.8194, 105.5722



78.0435, 75.8194, 68.6155

Square

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



69.6355, 75.8194, 105.5722



79.7074, 75.8194, 89.7910



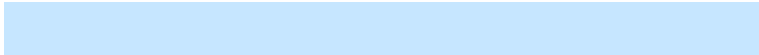
74.5484, 75.8194, 63.1520



64.9257, 75.8194, 75.7175

Rectangle

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



69.6355, 75.8194, 105.5722



76.2222, 75.8194, 103.0372



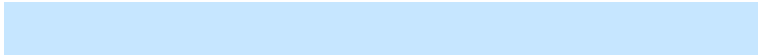
74.5484, 75.8194, 63.1520



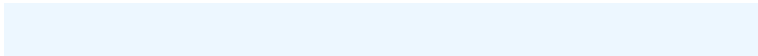
68.0600, 75.8194, 64.9837

Sweetspot

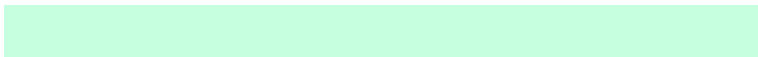
The Sweet Spot groups the original color and five complimentary colors.



69.6376, 75.8224, 105.5726



86.3386, 91.8772, 107.7913



72.3285, 88.8378, 82.9366



18.3262, 19.5207, 23.0519



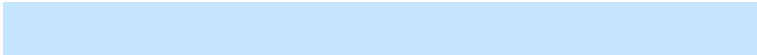
0.0000, 0.0000, 0.0000



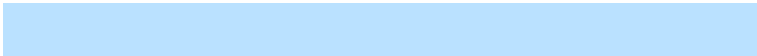
20.3446, 21.4041, 23.3091

Same Dimension

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



69.6376, 75.8224, 105.5726



65.2092, 71.4239, 104.9570



62.4137, 61.3746, 103.1647



17.8492, 19.0699, 22.9901



14.7289, 14.3674, 51.4315



1.5430, 1.6166, 5.0440

Inverse Universe

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



75.7183, 67.3629, 83.8779



72.3948, 61.8668, 79.2219



85.9931, 94.4568, 67.1274



18.4365, 18.1579, 20.9158



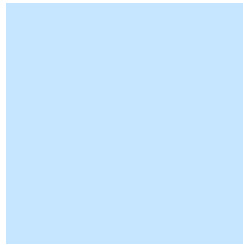
24.2227, 12.1784, 15.0890



2.4134, 1.2077, 1.7585

Previews

White Background



This preview shows how the XYZ color 69.6355, 75.8194, 105.5722 looks on a white background.

Color Contrast Check

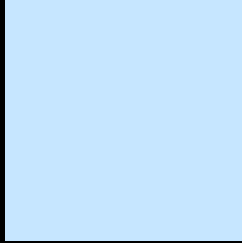
Large Text (above 18pt) WCAG AA × Fail

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 69.6355, 75.8194, 105.5722 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

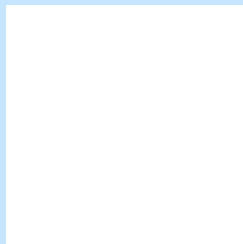
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.6355, 75.8194, 105.5722

Background



This preview shows how black text looks on a background with the XYZ color 69.6355, 75.8194, 105.5722.



This preview shows how white text looks on a background with the XYZ color 69.6355, 75.8194,

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

69.6355, 75.8194, 105.5722

Protanopia

74.1924, 75.8059, 101.9884

Deuteranopia

76.9219, 75.5622, 105.1385



Tritanopia

68.7008, 75.8617, 100.6444

Trichromacy



Original Color

69.6355, 75.8194, 105.5722

Protanomaly

72.2076, 75.5671, 102.8756

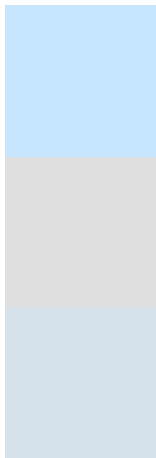
Deuteranomaly

74.2209, 75.7470, 105.3165

Tritanomaly

69.0145, 75.9872, 102.2963

Monochromacy



Original Color

69.6355, 75.8194, 105.5722

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

69.9233, 74.6870, 89.3279

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.6355, 75.8194, 105.5722 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(198, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(198, 230, 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(198, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 230, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.6355, 75.8194, 105.5722 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(198, 230, 255) }
```


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

```
.border{ border-color:rgb(198, 230, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 230, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(198, 230,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.6355, 75.8194, 105.5722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 230, 255) }
```

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

```
.background{ background-color: rgb(198,  
230, 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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