

Converting Colors

XYZ(69.5969, 75.9337,
104.1361)

Have a look what the booklet for
XYZ(69.5969, 75.9337, 104.1361)
contains.

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Color

**XYZ(69.5796, 75.8276,
103.8975)**

Conversions

Conversions Part 1

Format	Color
Hex	C7E6FD
RGB	199, 230, 253
RGB Percent	78%, 90%, 99%
CMY	0.2196, 0.0980, 0.0078
CMYK	0.21, 0.09, 0.00, 0.01
HSL	206°, 93%, 89%
HSV	206°, 21%, 99%
XYZ	69.5796, 75.8276, 103.8975
YIQ	223.3530, -25.8590, 0.5810

Conversions

Conversions Part 2

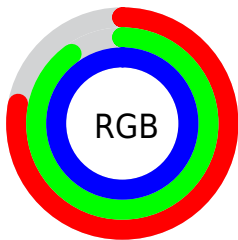
Format	Color
R _Y B	199, 219, 253
Decimal	13100797
CIE Lab	89.78, -5.32, -14.52
CIE LCh	90, 15.465, 249.889
Yxy	75.8276, 0.2791, 0.3042
Android (android.graphics.Color)	4291290877 (0xFFC7E6FD)
YUV	223.3530, 14.6160, -21.3576
Hunter-Lab	87.0790, -9.7598, -9.7859

Details

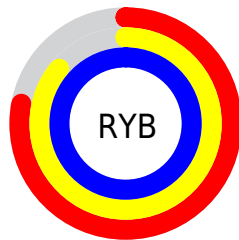
The XYZ color **69.5796, 75.8276, 103.8975** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.9388, 77.2488, 64.8898**, and the grayscale version is **70.3045, 73.9658, 80.5488**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.7954, 40.5748, 58.1169** is the 20% darker color. If you saturate the color by 10%, you get **60.5108, 66.8396, 102.6419**, and if you desaturate by 10%, it is **79.9543, 85.7678, 105.2706**.

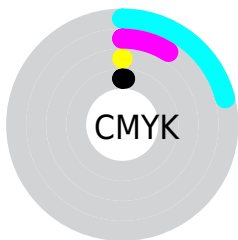
Distribution



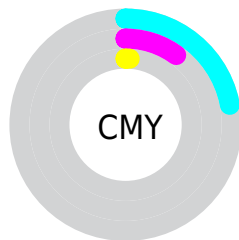
- Red (78%)
- Green (90%)
- Blue (99%)



- Red (78%)
- Yellow (86%)
- Blue (99%)



- Cyan (21%)
- Magenta (9%)
- Yellow (0%)
- Black (1%)



- Cyan (22%)
- Magenta (10%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.5796, 75.8276, 103.8975 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 69.5796, 75.8276, 103.8975 by changing the saturation by 10% instead.

■ 69.5796, 75.8276,
103.8975

■ 69.5796, 75.8276,
103.8975

448.3620,
480.7573, 593.9705

■ 51.4622, 56.2912,
78.9245

117.6386,
127.4832, 168.6014

■ 36.7991, 40.4364,
58.3128

148.3109,
160.3711, 209.1695

■ 25.2250, 27.8790,
41.6438

183.8989,
198.4783, 255.7729

■ 16.3744, 18.2344,
28.4990

224.7680,
242.1892, 308.8303

■ 9.8820, 11.1184,
18.4598

271.2835,
291.8881, 368.7603

■ 5.3824, 6.1466,
11.1078

323.8108,

■ 2.5104, 2.9344,

347.9595, 435.9812

6.0243

382.7151,
410.7878, 510.9118

■ 0.9005, 1.0976,
2.7908

■ 0.0000, 0.0000,
0.9888

■ 69.5796, 75.8276,
103.8975

■ 69.5796, 75.8276,
103.8975

■ 60.5108, 66.8396,
102.6419

■ 79.9543, 85.7678,
105.2706

■ 52.6826, 58.7595,
101.4948

■ 91.6826, 96.6838,
106.7594

■ 46.0340, 51.5527,
100.4542

■ 94.7299, 99.8719,
107.2142

■ 40.4959, 45.1784,
99.5157

■ 35.9910, 39.5912,
98.6747

■ 32.4310, 34.7401,
97.9260

■ 29.7104, 30.5651,
97.2635

■ 27.8942, 27.4206,
96.7523

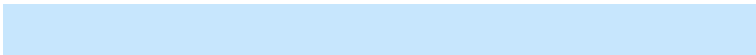
Harmonies

Analogous

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



66.5901, 75.8276, 96.7781



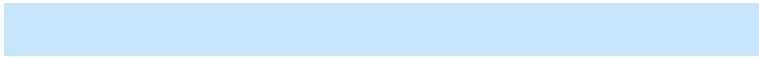
69.5796, 75.8276, 103.8975



73.3387, 75.8276, 105.0305

Triad

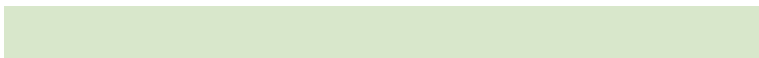
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.5796, 75.8276, 103.8975



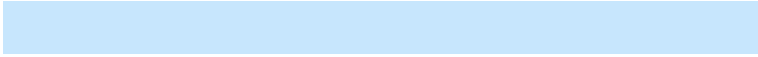
79.5405, 75.8276, 79.0086



67.4704, 75.8276, 67.4740

Complementary

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



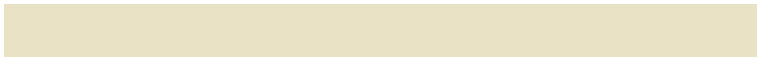
69.5796, 75.8276, 103.8975



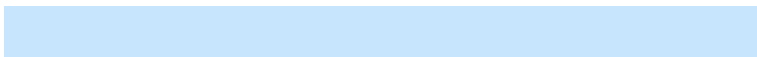
76.9388, 77.2488, 64.8898

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.



70.8197, 75.8276, 63.5530



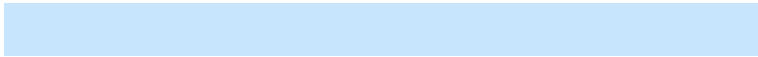
69.5796, 75.8276, 103.8975



77.8465, 75.8276, 69.8134

Square

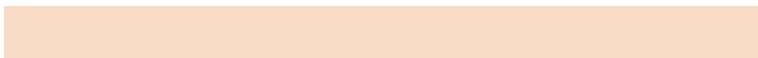
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.5796, 75.8276, 103.8975



79.1799, 75.8276, 89.9975



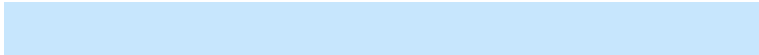
74.6229, 75.8276, 64.3699



65.4025, 75.8276, 75.5503

Rectangle

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



69.5796, 75.8276, 103.8975



75.7884, 75.8276, 102.1440



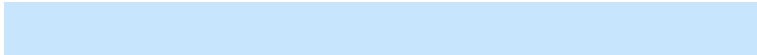
74.6229, 75.8276, 64.3699



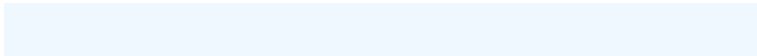
68.4788, 75.8276, 65.6601

Sweetspot

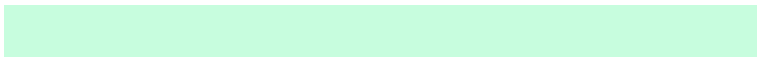
The Sweet Spot groups the original color and five complimentary colors.



69.5819, 75.8307, 103.8992



87.5998, 93.1257, 107.9658



71.7978, 87.6413, 81.8902



18.5830, 19.7773, 23.0879



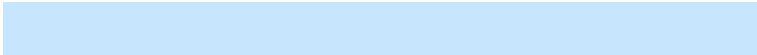
0.0000, 0.0000, 0.0000



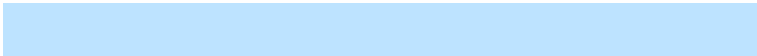
20.3446, 21.4041, 23.3091

Same Dimension

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



69.5819, 75.8307, 103.8992



66.3666, 72.8099, 105.1636



62.7586, 62.1840, 101.6248



17.8690, 19.1096, 22.9967



14.9860, 14.8817, 51.5172



1.5675, 1.6657, 5.0522

Inverse Universe

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



75.2162, 67.4444, 83.9202



73.2058, 63.0593, 80.8160



84.5395, 92.4503, 67.4234



18.4465, 18.1619, 20.9685



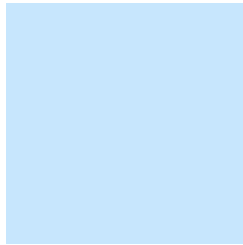
24.3525, 12.2303, 15.7724



2.4258, 1.2127, 1.8238

Previews

White Background



This preview shows how the XYZ color 69.5796, 75.8276, 103.8975 looks on a white background.

Color Contrast Check

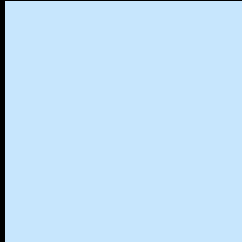
Large Text (above 18pt) WCAG AA × Fail

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 69.5796, 75.8276, 103.8975 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

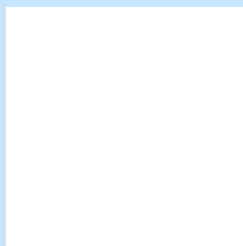
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.5796, 75.8276, 103.8975

Background



This preview shows how black text looks on a background with the XYZ color 69.5796, 75.8276, 103.8975.



This preview shows how white text looks on a background with the XYZ color 69.5796, 75.8276,

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

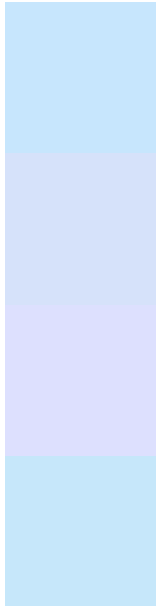




Tritanopia

68.9635, 75.9971, 100.6567

Trichromacy



Original Color

69.5796, 75.8276, 103.8975

Protanomaly

72.1832, 75.5910, 101.2285

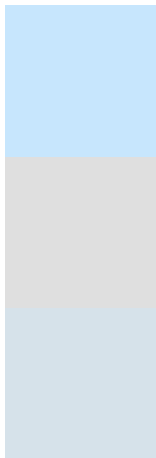
Deuteranomaly

74.3638, 75.8392, 104.4850

Tritanomaly

69.1199, 76.0597, 101.4805

Monochromacy



Original Color

69.5796, 75.8276, 103.8975

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

69.7792, 74.6294, 88.5691

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.5796, 75.8276, 103.8975 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(199, 230, 253)` looks like.

```
.text, #text, p{  
    color:rgb(199, 230, 253)  
}
```

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(199, 230, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 230, 253) }
```

Border

The CSS property to change the border of an element to XYZ 69.5796, 75.8276, 103.8975 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(199, 230, 253) }
```


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

```
.border{ border-color:rgb(199, 230, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 230, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 230, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 230, 253);  
box-shadow:4px 4px 4px 4px rgb(199, 230,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 69.5796, 75.8276, 103.8975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 230, 253) }
```

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

```
.background{ background-color: rgb(199,  
230, 253) }
```

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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