

Converting Colors

XYZ(68.8216, 75.6469,
100.6246)

Have a look what the booklet for
XYZ(68.8216, 75.6469, 100.6246)
contains.

XYZ(68.6844, 75.4389, 100.5637)	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(68.6844, 75.4389,
100.5637)**

Conversions

Conversions Part 1

Format	Color
Hex	C6E6F9
RGB	198, 230, 249
RGB Percent	78%, 90%, 98%
CMY	0.2235, 0.0980, 0.0235
CMYK	0.20, 0.08, 0.00, 0.02
HSL	202°, 81%, 88%
HSV	202°, 20%, 98%
XYZ	68.6844, 75.4389, 100.5637
YIQ	222.5980, -25.1710, -0.8750

Conversions

Conversions Part 2

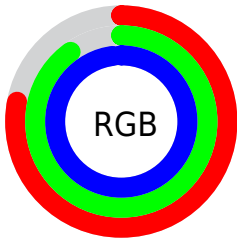
Format	Color
R _Y B	198, 218, 249
Decimal	13035257
CIE Lab	89.60, -6.48, -12.70
CIE LCh	90, 14.261, 242.984
Yxy	75.4389, 0.2807, 0.3083
Android (android.graphics.Color)	4291225337 (0xFFC6E6F9)
YUV	222.5980, 13.0162, -21.5724
Hunter-Lab	86.8556, -10.8415, -7.8486

Details

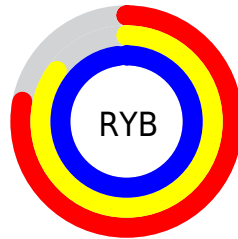
The XYZ color **68.6844, 75.4389, 100.5637** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.0736, 73.8430, 63.7768**, and the grayscale version is **69.7794, 73.4133, 79.9471**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.2833, 40.3498, 56.3280** is the 20% darker color. If you saturate the color by 10%, you get **60.1405, 67.3057, 99.4454**, and if you desaturate by 10%, it is **78.4492, 84.4092, 101.7817**.

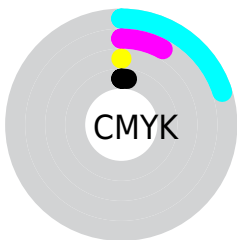
Distribution



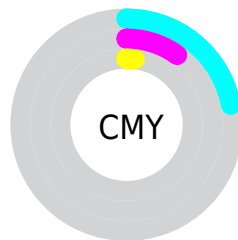
- Red (78%)
- Green (90%)
- Blue (98%)



- Red (78%)
- Yellow (85%)
- Blue (98%)



- Cyan (20%)
- Magenta (8%)
- Yellow (0%)
- Black (2%)



- Cyan (22%)
- Magenta (10%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.6844, 75.4389, 100.5637 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 68.6844, 75.4389, 100.5637 by changing the saturation by 10% instead.

■ 68.6844, 75.4389,
100.5637

■ 68.6844, 75.4389,
100.5637

445.2559,
479.4248, 583.2605

■ 50.7304, 55.9725,
76.1519

116.3672,
126.9334, 163.9902

■ 36.2143, 40.1809,
56.0497

146.8268,
159.7304, 203.8421

■ 24.7706, 27.6796,
39.8385

182.1856,
197.7397, 249.6776

■ 16.0341, 18.0843,
27.0998

222.8090,
241.3457, 301.9155

■ 9.6393, 11.0105,
17.4151

269.0624,
290.9328, 360.9741

■ 5.2209, 6.0739,
10.3658

321.3111,

■ 2.4135, 2.8901,

346.8854, 427.2722

5.5334

379.9205,
409.5880, 501.2281

■ 0.8518, 1.0746,
2.4993

■ 0.0000, 0.0000,
0.8398

■ 68.6844, 75.4389,
100.5637

■ 68.6844, 75.4389,
100.5637

■ 60.1405, 67.3057,
99.4454

■ 78.4492, 84.4092,
101.7817

■ 52.7558, 59.9689,
98.4185

■ 89.4791, 94.2368,
103.0973

■ 46.4733, 53.3979,
97.4812

■ 94.0991, 99.6197,
103.8928

■ 41.2283, 47.5560,
96.6301

■ 36.9483, 42.4025,
95.8609

■ 33.5510, 37.8914,
95.1693

■ 30.9379, 33.9685,
94.5498

■ 29.0294, 30.7002,
94.0195

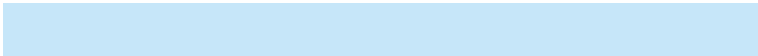
Harmonies

Analogous

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



66.1963, 75.4389, 93.1027



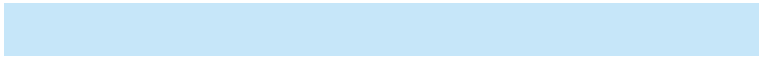
68.6844, 75.4389, 100.5637



72.0539, 75.4389, 102.9629

Triad

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



68.6844, 75.4389, 100.5637



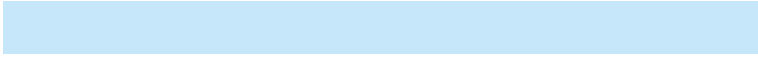
78.6457, 75.4389, 81.1393



68.0955, 75.4389, 66.9899

Complementary

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



68.6844, 75.4389, 100.5637



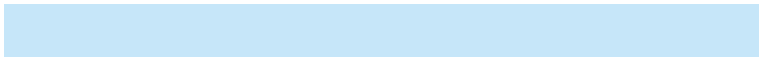
74.0736, 73.8430, 63.7768

Split Complementary

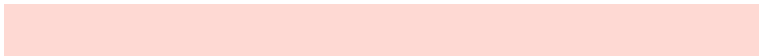
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.3521, 75.4389, 64.3329



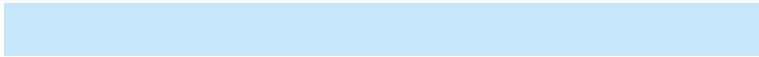
68.6844, 75.4389, 100.5637



77.5056, 75.4389, 72.0737

Square

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



68.6844, 75.4389, 100.5637



77.8758, 75.4389, 91.2233



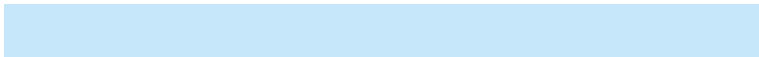
74.8076, 75.4389, 66.1165



65.8642, 75.4389, 73.6808

Rectangle

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



68.6844, 75.4389, 100.5637



74.3664, 75.4389, 101.2218



74.8076, 75.4389, 66.1165



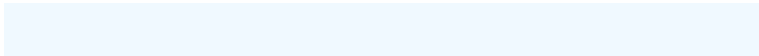
69.1028, 75.4389, 65.6212

Sweetspot

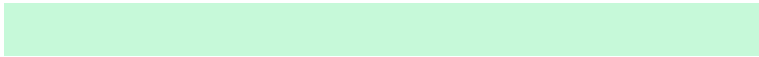
The Sweet Spot groups the original color and five complimentary colors.



68.6867, 75.4420, 100.5654



87.8521, 93.6303, 108.0499



69.6513, 84.7528, 78.1307



18.6426, 19.8966, 23.1078



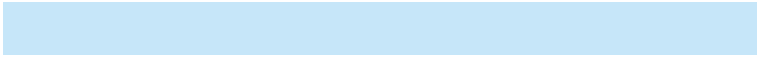
0.0000, 0.0000, 0.0000



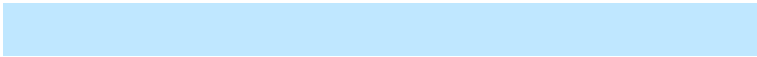
20.3446, 21.4041, 23.3091

Same Dimension

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



68.6867, 75.4420, 100.5654



68.2456, 75.6225, 105.6074



62.1727, 62.4141, 98.3941



17.1907, 18.4582, 22.0420



15.6795, 16.7146, 50.3734



1.5538, 1.7512, 4.6993

Inverse Universe

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



73.5458, 66.2429, 83.7762



74.3850, 64.4146, 84.3017



81.0731, 87.8418, 66.1099



17.7028, 17.4085, 20.2906



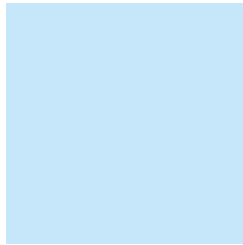
24.2063, 12.0983, 18.3268



2.2932, 1.1410, 1.9674

Previews

White Background



This preview shows how the XYZ color 68.6844, 75.4389, 100.5637 looks on a white background.

Color Contrast Check

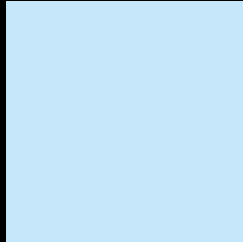
Large Text (above 18pt) WCAG AA × Fail

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 68.6844, 75.4389, 100.5637 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

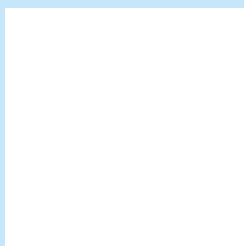
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.6844, 75.4389, 100.5637

Background



This preview shows how black text looks on a background with the XYZ color 68.6844, 75.4389, 100.5637.



This preview shows how white text looks on a background with the XYZ color 68.6844, 75.4389,

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

68.6844, 75.4389, 100.5637

Protanopia

73.3005, 75.0559, 97.0101

Deuteranopia

76.6758, 75.1205, 101.7252



Tritanopia

68.5288, 75.3767, 99.7442

Trichromacy



Original Color

68.6844, 75.4389, 100.5637

Protanomaly

71.5625, 75.3427, 97.9596

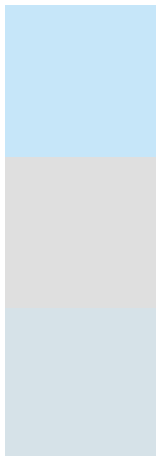
Deuteranomaly

73.4618, 75.0496, 101.0567

Tritanomaly

68.5288, 75.3767, 99.7442

Monochromacy



Original Color

68.6844, 75.4389, 100.5637

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

69.4934, 74.5150, 87.0641

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.6844, 75.4389, 100.5637 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, 249)` looks like.

```
.text, #text, p{  
    color:rgb(198, 230, 249)  
}
```

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, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 230, 249) }
```

Border

The CSS property to change the border of an element to XYZ 68.6844, 75.4389, 100.5637 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, 249) }
```


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

```
.border{ border-color:rgb(198, 230, 249) }
```

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, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 230, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 230, 249);  
box-shadow:4px 4px 4px 4px rgb(198, 230,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 68.6844, 75.4389, 100.5637 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, 249) }
```

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

```
.background{ background-color: rgb(198,  
230, 249) }
```

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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