

Converting Colors

XYZ(68.6809, 75.5610, 94.9693)

Have a look what the booklet for
XYZ(68.6809, 75.5610, 94.9693)
contains.

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Color

**XYZ(68.6809, 75.5610,
94.9693)**

Conversions

Conversions Part 1

Format	Color
Hex	CAE6F2
RGB	202, 230, 242
RGB Percent	79%, 90%, 95%
CMY	0.2078, 0.0980, 0.0510
CMYK	0.17, 0.05, 0.00, 0.05
HSL	198°, 61%, 87%
HSV	198°, 17%, 95%
XYZ	68.6809, 75.5610, 94.9693
YIQ	222.9960, -20.5400, -2.2040

Conversions

Conversions Part 2

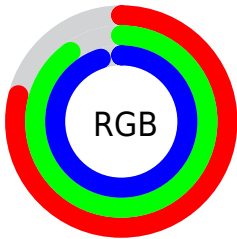
Format	Color
R _{YB}	202, 218, 242
Decimal	13297394
CIE _{Lab}	89.66, -6.73, -8.93
CIE _{LCh}	90, 11.179, 232.981
Yxy	75.5610, 0.2871, 0.3159
Android (android.graphics.Color)	4291487474 (0xFFCAE6F2)
YUV	222.9960, 9.3690, -18.4135
Hunter-Lab	86.9258, -11.0857, -3.9282

Details

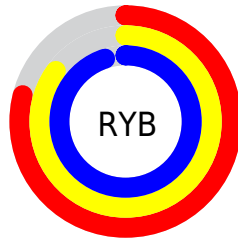
The XYZ color **68.6809, 75.5610, 94.9693** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.3257, 71.2344, 65.8688**, and the grayscale version is **70.0842, 73.7341, 80.2964**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.2255, 40.4082, 52.3446** is the 20% darker color. If you saturate the color by 10%, you get **60.6620, 68.4926, 94.0288**, and if you desaturate by 10%, it is **77.8152, 83.3332, 95.9893**.

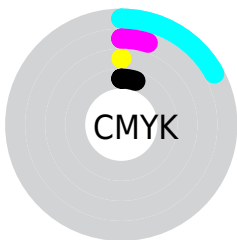
Distribution



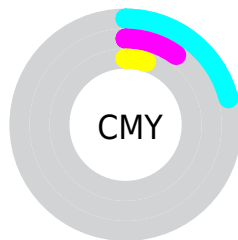
- Red (79%)
- Green (90%)
- Blue (95%)



- Red (79%)
- Yellow (85%)
- Blue (95%)



- Cyan (17%)
- Magenta (5%)
- Yellow (0%)
- Black (5%)



- Cyan (21%)
- Magenta (10%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.6809, 75.5610, 94.9693 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 68.6809, 75.5610, 94.9693 by changing the saturation by 10% instead.

■ 68.6809, 75.5610,
94.9693

■ 68.6809, 75.5610,
94.9693

445.2437,
479.8436, 565.0485

■ 50.7276, 56.0726,
71.5127

116.3623,
127.1062, 156.2174

■ 36.2120, 40.2611,
52.2763

146.8210,
159.9317, 194.8460

■ 24.7688, 27.7422,
36.8416

182.1789,
197.9718, 239.3689

■ 16.0327, 18.1314,
24.7900

222.8014,
241.6108, 290.2048

■ 9.6383, 11.0444,
15.7031

269.0537,
291.2330, 347.7722

■ 5.2202, 6.0967,
9.1622

321.3013,

■ 2.4131, 2.9040,

347.2230, 412.4896

4.7489

379.9095,
409.9651, 484.7755

■ 0.8517, 1.0818,
2.0445

■ 0.0000, 0.0000,
0.5825

■ 68.6809, 75.5610,
94.9693

■ 68.6809, 75.5610,
94.9693

■ 60.6620, 68.4926,
94.0288

■ 77.8152, 83.3332,
95.9893

■ 53.7031, 62.0920,
93.1602

■ 88.1037, 91.8248,
97.0860

■ 47.7538, 56.3338,
92.3623

■ 92.0084, 97.1532,
97.9087

■ 42.7569, 51.1868,
91.6322

■ 93.0273, 99.1909,
98.2483

■ 38.6490, 46.6168,
90.9666

■ 35.3584, 42.5853,
90.3618

■ 32.8016, 39.0473,
89.8137

■ 30.8735, 35.9473,
89.3170

■ 30.2936, 34.9435,
89.1538

Harmonies

Analogous

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



67.0585, 75.5610, 88.3296



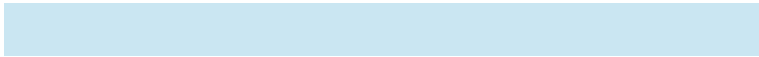
68.6809, 75.5610, 94.9693



71.1741, 75.5610, 98.2410

Triad

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



68.6809, 75.5610, 94.9693



77.1967, 75.5610, 84.1381



69.7733, 75.5610, 69.1011

Complementary

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



68.6809, 75.5610, 94.9693



71.3257, 71.2344, 65.8688

Split Complementary

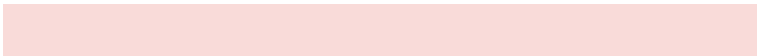
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.4667, 75.5610, 68.1366



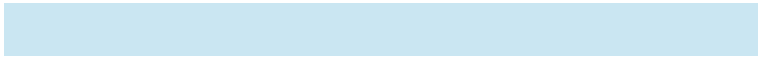
68.6809, 75.5610, 94.9693



76.7985, 75.5610, 76.4999

Square

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



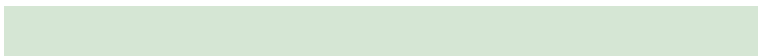
68.6809, 75.5610, 94.9693



76.1246, 75.5610, 91.7341



75.0502, 75.5610, 70.7621



67.6778, 75.5610, 73.4860

Rectangle

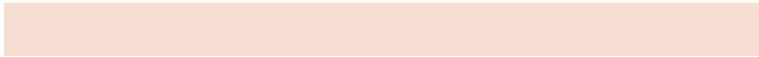
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.6809, 75.5610, 94.9693



73.0130, 75.5610, 97.9334



75.0502, 75.5610, 70.7621



70.6370, 75.5610, 68.3781

Sweetspot

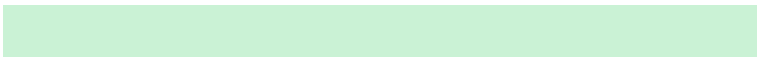
The Sweet Spot groups the original color and five complimentary colors.



68.6831, 75.5641, 94.9710



89.3060, 95.2459, 108.2851



68.1631, 80.8832, 75.1936



18.9481, 20.2471, 23.1594



0.0000, 0.0000, 0.0000



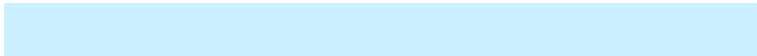
20.3446, 21.4041, 23.3091

Same Dimension

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



68.6831, 75.5641, 94.9710



74.0249, 82.2034, 106.5731



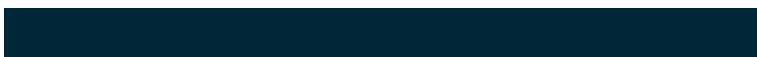
63.5970, 65.3918, 93.2756



15.8239, 17.0819, 20.1847



16.3989, 19.0221, 47.9352



1.4508, 1.7556, 4.0166

Inverse Universe

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



72.0231, 66.8330, 83.9706



78.5171, 70.7194, 91.7197



76.5133, 81.6096, 67.5980



16.2405, 15.9459, 18.8229



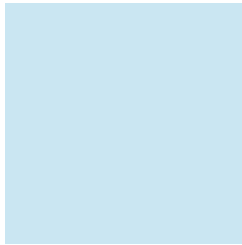
23.6030, 11.7136, 21.6240



2.0073, 0.9919, 2.0291

Previews

White Background



This preview shows how the XYZ color 68.6809, 75.5610, 94.9693 looks on a white background.

Color Contrast Check

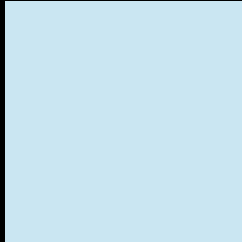
Large Text (above 18pt) WCAG AA × Fail

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 68.6809, 75.5610, 94.9693 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

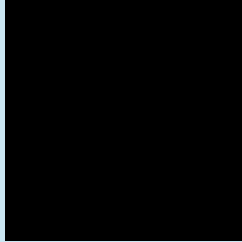
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.6809, 75.5610, 94.9693

Background



This preview shows how black text looks on a background with the XYZ color 68.6809, 75.5610, 94.9693.

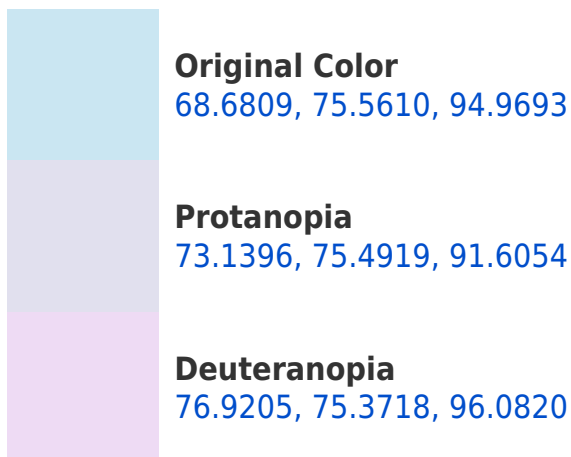


This preview shows how white text looks on a background with the XYZ color 68.6809, 75.5610,

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

69.4364, 75.4505, 98.8994

Trichromacy



Original Color

68.6809, 75.5610, 94.9693

Protanomaly

71.3916, 75.3764, 92.4477

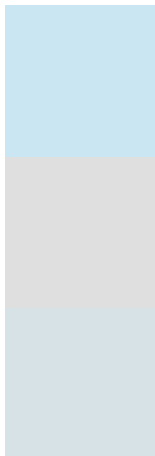
Deuteranomaly

73.6167, 75.2540, 95.4395

Tritanomaly

69.1293, 75.3277, 97.2824

Monochromacy



Original Color

68.6809, 75.5610, 94.9693

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

69.5036, 74.5530, 85.5898

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.6809, 75.5610, 94.9693 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(202, 230, 242)` looks like.

```
.text, #text, p{  
    color:rgb(202, 230, 242)  
}
```

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(202, 230, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 230, 242) }
```

Border

The CSS property to change the border of an element to XYZ 68.6809, 75.5610, 94.9693 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(202, 230, 242) }
```


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

```
.border{ border-color:rgb(202, 230, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 230, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 230, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 230, 242);  
box-shadow:4px 4px 4px 4px rgb(202, 230,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 68.6809, 75.5610, 94.9693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 230, 242) }
```

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

```
.background{ background-color: rgb(202,  
230, 242) }
```

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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