

Converting Colors

XYZ(68.8565, 75.3966, 93.6544)

Have a look what the booklet for
XYZ(68.8565, 75.3966, 93.6544)
contains.

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Color

**XYZ(68.6493, 75.1673,
93.3286)**

Conversions

Conversions Part 1

Format	Color
Hex	CCE5F0
RGB	204, 229, 240
RGB Percent	80%, 90%, 94%
CMY	0.2000, 0.1019, 0.0588
CMYK	0.15, 0.05, 0.00, 0.06
HSL	198°, 55%, 87%
HSV	198°, 15%, 94%
XYZ	68.6493, 75.1673, 93.3286
YIQ	222.7790, -18.4310, -1.8790

Conversions

Conversions Part 2

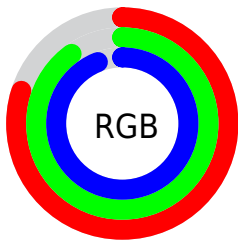
Format	Color
RYB	204, 219, 240
Decimal	13428208
CIELab	89.47, -6.01, -8.14
CIELCh	89, 10.114, 233.559
Yxy	75.1673, 0.2895, 0.3170
Android (android.graphics.Color)	4291618288 (0xFFCCE5F0)
YUV	222.7790, 8.4900, -16.4692
Hunter-Lab	86.6991, -10.3851, -3.1343

Details

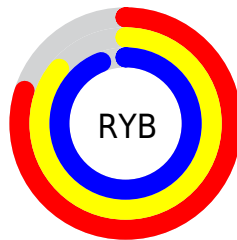
The XYZ color **68.6493, 75.1673, 93.3286** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.1351, 71.4854, 67.1769**, and the grayscale version is **69.9353, 73.5773, 80.1257**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.1822, 40.1224, 51.1848** is the 20% darker color. If you saturate the color by 10%, you get **60.5860, 68.0643, 92.3838**, and if you desaturate by 10%, it is **77.8164, 82.9704, 94.3528**.

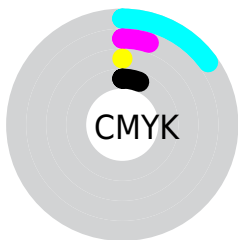
Distribution



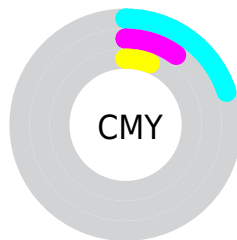
- Red (80%)
- Green (90%)
- Blue (94%)



- Red (80%)
- Yellow (86%)
- Blue (94%)



- Cyan (15%)
- Magenta (5%)
- Yellow (0%)
- Black (6%)



- Cyan (20%)
- Magenta (10%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.6493, 75.1673, 93.3286 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 68.6493, 75.1673, 93.3286 by changing the saturation by 10% instead.

■ 68.6493, 75.1673,
93.3286

■ 68.6493, 75.1673,
93.3286

445.1338,
478.4924, 559.6473

■ 50.7018, 55.7500,
70.1555

116.3173,
126.5492, 153.9291

■ 36.1914, 40.0025,
51.1757

146.7686,
159.2825, 192.1936

■ 24.7528, 27.5405,
35.9708

182.1184,
197.2232, 236.3256

■ 16.0208, 17.9796,
24.1221

222.7321,
240.7558, 286.7436

■ 9.6298, 10.9353,
15.2112

268.9752,
290.2646, 343.8663

■ 5.2146, 6.0234,
8.8195

321.2129,

■ 2.4097, 2.8593,

346.1341, 408.1121

4.5284

379.8107,
408.7485, 479.8996

■ 0.8500, 1.0587,
1.9195

■ 0.0000, 0.0000,
0.5051

■ 68.6493, 75.1673,
93.3286

■ 68.6493, 75.1673,
93.3286

■ 60.5860, 68.0643,
92.3838

■ 77.8164, 82.9704,
94.3528

■ 53.5724, 61.6262,
91.5107

■ 88.1248, 91.4886,
95.4537

■ 47.5600, 55.8282,
90.7085

■ 91.4651, 96.5448,
96.2535

■ 42.4932, 50.6402,
89.9742

■ 92.7284, 99.0714,
96.6746

■ 38.3111, 46.0290,
89.3045

■ 34.9447, 41.9575,
88.6961

■ 32.3141, 38.3827,
88.1447

■ 30.3215, 35.2525,
87.6456

■ 29.4904, 33.8153,
87.4120

Harmonies

Analogous

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



67.1621, 75.1673, 87.4246



68.6493, 75.1673, 93.3286



70.9107, 75.1673, 96.1774

Triad

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



68.6493, 75.1673, 93.3286



76.2878, 75.1673, 83.3859



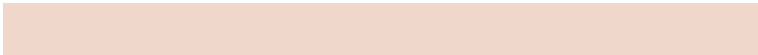
69.5554, 75.1673, 69.9544

Complementary

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



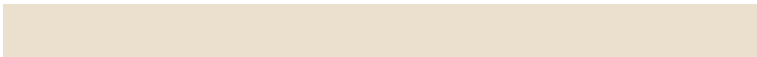
68.6493, 75.1673, 93.3286



71.1351, 71.4854, 67.1769

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.



71.9805, 75.1673, 69.0112



68.6493, 75.1673, 93.3286



75.9047, 75.1673, 76.5069

Square

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



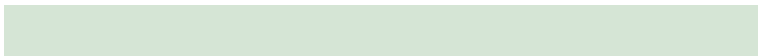
68.6493, 75.1673, 93.3286



75.3491, 75.1673, 90.2266



74.3141, 75.1673, 71.3432



67.6767, 75.1673, 73.9981

Rectangle

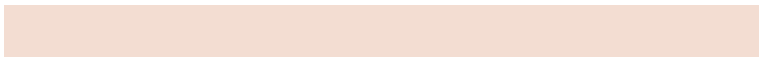
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.6493, 75.1673, 93.3286



72.5680, 75.1673, 95.8499



74.3141, 75.1673, 71.3432



70.3322, 75.1673, 69.2743

Sweetspot

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



68.6515, 75.1704, 93.3303



90.4105, 96.1447, 108.4004



68.3032, 80.0549, 76.0088



19.1699, 20.4269, 23.1824



0.0000, 0.0000, 0.0000



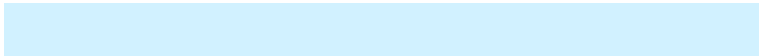
20.3446, 21.4041, 23.3091

Same Dimension

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



68.6515, 75.1704, 93.3303



75.8219, 83.6882, 106.7649



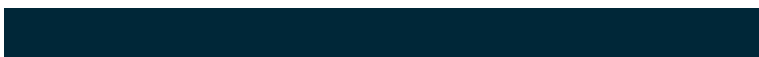
63.9753, 65.8180, 91.7715



15.8162, 17.0665, 20.1822



16.2662, 18.7565, 47.8909



1.4406, 1.7351, 4.0132

Inverse Universe

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



71.6726, 67.3697, 83.3585



79.9391, 73.2596, 93.1301



75.9178, 81.0508, 68.7711



16.2367, 15.9444, 18.8025



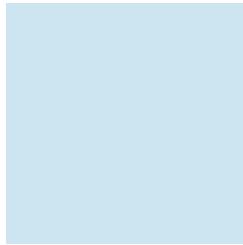
23.5360, 11.6868, 21.2711



2.0021, 0.9899, 2.0018

Previews

White Background



This preview shows how the XYZ color 68.6493, 75.1673, 93.3286 looks on a white background.

Color Contrast Check

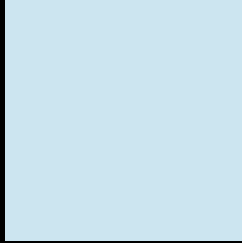
Large Text (above 18pt) WCAG AA × Fail

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 68.6493, 75.1673, 93.3286 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

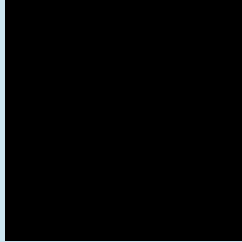
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.6493, 75.1673, 93.3286

Background



This preview shows how black text looks on a background with the XYZ color 68.6493, 75.1673, 93.3286.

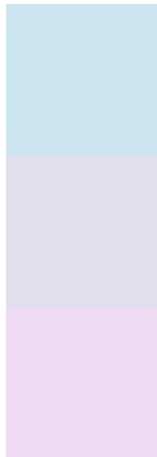


This preview shows how white text looks on a background with the XYZ color 68.6493, 75.1673,

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

68.6493, 75.1673, 93.3286

Protanopia

72.5793, 74.8390, 89.9769

Deuteranopia

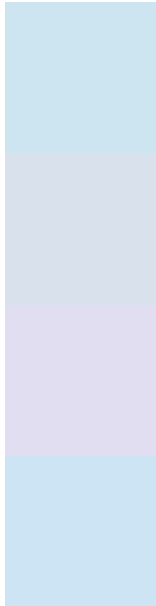
76.3583, 74.7308, 94.4044



Tritanopia

69.5548, 75.1198, 98.0224

Trichromacy



Original Color

68.6493, 75.1673, 93.3286

Protanomaly

70.8265, 74.7166, 90.8095

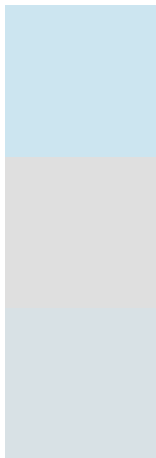
Deuteranomaly

73.3625, 74.7622, 93.7830

Tritanomaly

69.2494, 74.9976, 96.4141

Monochromacy



Original Color

68.6493, 75.1673, 93.3286

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

69.3870, 74.1065, 84.7756

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.6493, 75.1673, 93.3286 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(204, 229, 240)` looks like.

```
.text, #text, p{  
    color:rgb(204, 229, 240)  
}
```

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(204, 229, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 229, 240) }
```

Border

The CSS property to change the border of an element to XYZ 68.6493, 75.1673, 93.3286 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(204, 229, 240) }
```


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

```
.border{ border-color:rgb(204, 229, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 229, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 229, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 229, 240);  
box-shadow:4px 4px 4px 4px rgb(204, 229,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 68.6493, 75.1673, 93.3286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 229, 240) }
```

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

```
.background{ background-color: rgb(204,  
229, 240) }
```

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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