

Converting Colors

XYZ(69.4901, 78.4849, 90.3468)

Have a look what the booklet for
XYZ(69.4901, 78.4849, 90.3468)
contains.

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Color

**XYZ(69.6195, 78.6856,
90.1158)**

Conversions

Conversions Part 1

Format	Color
Hex	CBECEB
RGB	203, 236, 235
RGB Percent	80%, 93%, 92%
CMY	0.2039, 0.0745, 0.0784
CMYK	0.14, 0.00, 0.00, 0.07
HSL	178°, 46%, 86%
HSV	178°, 14%, 93%
XYZ	69.6195, 78.6856, 90.1158
YIQ	226.0190, -19.3470, -7.3070

Conversions

Conversions Part 2

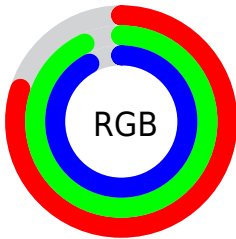
Format	Color
R _Y B	203, 220, 236
Decimal	13364459
CIE Lab	91.09, -10.89, -3.14
CIE LCh	91, 11.332, 196.068
Yxy	78.6856, 0.2920, 0.3300
Android (android.graphics.Color)	4291554539 (0xFFCBECEB)
YUV	226.0190, 4.4276, -20.1877
Hunter-Lab	88.7049, -15.1390, 1.8604

Details

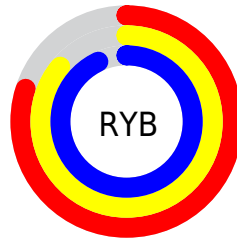
The XYZ color **69.6195, 78.6856, 90.1158** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.8500, 64.9066, 66.1351**, and the grayscale version is **72.2834, 76.0478, 82.8160**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.8524, 42.2868, 48.8677** is the 20% darker color. If you saturate the color by 10%, you get **63.5725, 75.5823, 89.2944**, and if you desaturate by 10%, it is **76.6498, 82.3000, 90.9887**.

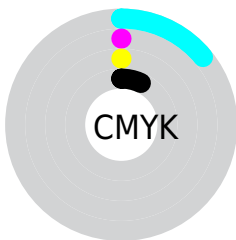
Distribution



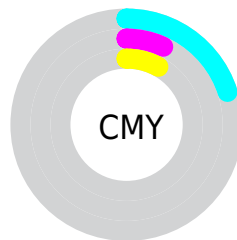
- Red (80%)
- Green (93%)
- Blue (92%)



- Red (80%)
- Yellow (86%)
- Blue (93%)



- Cyan (14%)
- Magenta (0%)
- Yellow (0%)
- Black (7%)



- Cyan (20%)
- Magenta (7%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.6195, 78.6856, 90.1158 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 69.6195, 78.6856, 90.1158 by changing the saturation by 10% instead.

69.6195, 78.6856,
90.1158

69.6195, 78.6856,
90.1158

448.5002,
490.4921, 548.9873

51.4949, 58.6373,
67.5024

117.6952,
131.5162, 149.4362

36.8252, 42.3213,
49.0289

148.3770,
165.0673, 186.9802

25.2453, 29.3529,
34.2766

183.9752,
203.8881, 230.3383

16.3896, 19.3480,
22.8271

224.8552,
248.3630, 279.9289

9.8928, 11.9220,
14.2618

271.3823,
298.8765, 336.1705

5.3897, 6.6906,
8.1622

323.9220,

2.5148, 3.2694,

355.8129, 399.4818

4.1096

382.8395,
419.5567, 470.2812

■ 0.9027, 1.2739,
1.6857

■ 0.0000, 0.1209,
0.3509

■ 69.6195, 78.6856,
90.1158

■ 69.6195, 78.6856,
90.1158

■ 63.5725, 75.5823,
89.2944

■ 76.6498, 82.3000,
90.9887

■ 58.4579, 72.9575,
88.5171


■ 84.6980, 86.4369,
91.9098


■ 54.2305, 70.7901,
87.7836


■ 86.5455, 87.3772,
92.5429


■ 50.8387, 69.0534,
87.0913


■ 86.6506, 87.4193,
93.0966


 48.2256, 67.7180,
86.4376


 86.7562, 87.4615,
93.6526


 46.3271, 66.7510,
85.8196


 86.8622, 87.5039,
94.2108


 45.0689, 66.1141,
85.2337

 86.9686, 87.5465,
94.7712

 44.3606, 65.7605,
84.6757

 87.0755, 87.5892,
95.3338

 44.1161, 65.6414,
84.3495

 87.1827, 87.6321,
95.8986

Harmonies

Analogous

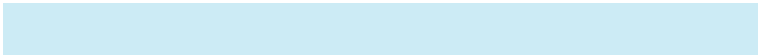
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.5688, 78.6856, 81.9332



69.6195, 78.6856, 90.1158



71.0317, 78.6856, 97.5447

Triad

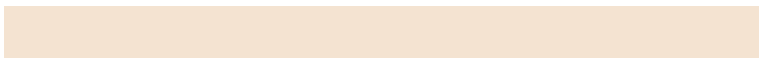
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.6195, 78.6856, 90.1158



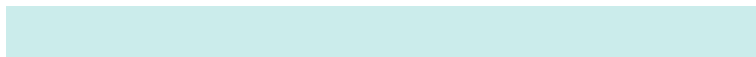
78.8254, 78.6856, 97.0919



76.1223, 78.6856, 71.2591

Complementary

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



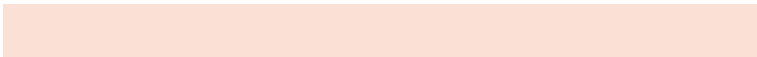
69.6195, 78.6856, 90.1158



66.8500, 64.9066, 66.1351

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.



78.6751, 78.6856, 74.8100



69.6195, 78.6856, 90.1158



80.2625, 78.6856, 89.5295

Square

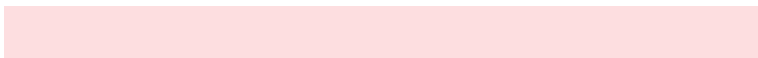
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



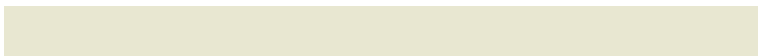
69.6195, 78.6856, 90.1158



76.3232, 78.6856, 101.7445



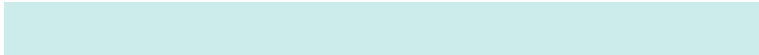
80.2068, 78.6856, 81.3830



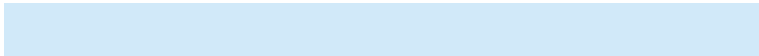
73.2742, 78.6856, 71.3938

Rectangle

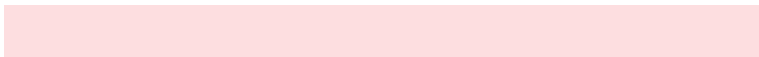
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



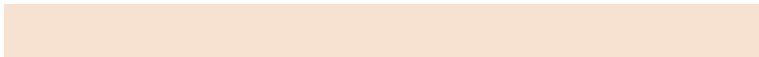
69.6195, 78.6856, 90.1158



72.5762, 78.6856, 100.9171



80.2068, 78.6856, 81.3830



77.0449, 78.6856, 72.0509

Sweetspot

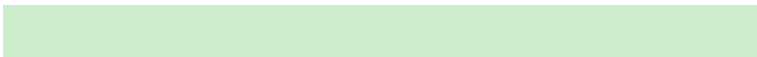
The Sweet Spot groups the original color and five complimentary colors.



69.6218, 78.6889, 90.1176



91.3466, 98.0966, 108.4663



65.7066, 77.1575, 67.9311



19.4076, 20.9225, 23.1990



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.



69.6218, 78.6889, 90.1176



80.6491, 92.6005, 107.1223



65.5222, 70.2572, 89.4683



15.4967, 17.1135, 19.2987



24.3257, 36.1847, 46.5414



1.9164, 2.8439, 3.6875

Inverse Universe

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



66.8500, 64.9066, 66.1351



76.7022, 72.9746, 72.9723



70.5497, 72.4980, 66.7765



15.0840, 15.0615, 15.7278



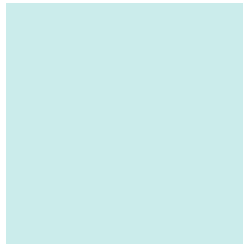
19.0979, 9.8419, 1.0511



1.5062, 0.7754, 0.1170

Previews

White Background



This preview shows how the XYZ color 69.6195, 78.6856, 90.1158 looks on a white background.

Color Contrast Check

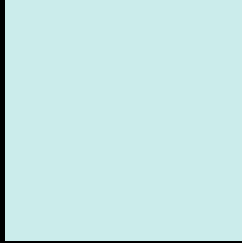
Large Text (above 18pt) WCAG AA × Fail

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 69.6195, 78.6856, 90.1158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

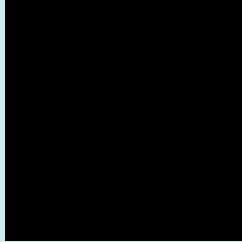
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

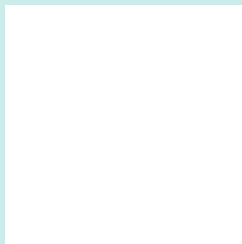
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.6195, 78.6856, 90.1158

Background



This preview shows how black text looks on a background with the XYZ color 69.6195, 78.6856, 90.1158.

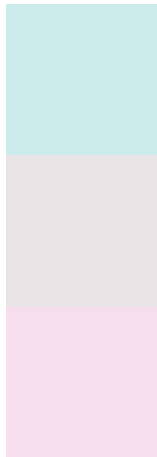


This preview shows how white text looks on a background with the XYZ color 69.6195, 78.6856,

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

69.6195, 78.6856, 90.1158

Protanopia

75.6306, 78.5236, 86.0333

Deuteranopia

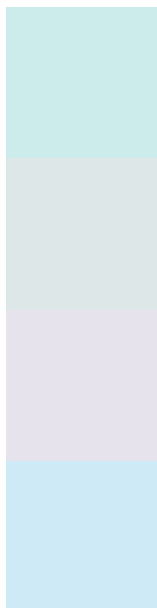
79.9117, 78.1898, 91.7693



Tritanopia

72.1632, 78.4279, 103.4302

Trichromacy



Original Color

69.6195, 78.6856, 90.1158

Protanomaly

73.2656, 78.5076, 87.6359

Deuteranomaly

75.7101, 78.0415, 91.1939

Tritanomaly

71.2342, 78.4786, 98.5822

Monochromacy



Original Color

69.6195, 78.6856, 90.1158

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.3531, 77.1562, 85.2607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.6195, 78.6856, 90.1158 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(203, 236, 235)` looks like.

```
.text, #text, p{  
    color:rgb(203, 236, 235)  
}
```

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(203, 236, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 236, 235) }
```

Border

The CSS property to change the border of an element to XYZ 69.6195, 78.6856, 90.1158 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(203, 236, 235) }
```


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

```
.border{ border-color:rgb(203, 236, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 236, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 236, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 236, 235);  
box-shadow:4px 4px 4px 4px rgb(203, 236,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 69.6195, 78.6856, 90.1158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 236, 235) }
```

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

```
.background{ background-color: rgb(203,  
236, 235) }
```

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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