

Converting Colors

XYZ(69.6025, 80.1265, 86.6750)

Have a look what the booklet for
XYZ(69.6025, 80.1265, 86.6750)
contains.

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Color

**XYZ(69.5066, 80.0027,
86.6416)**

Conversions

Conversions Part 1

Format	Color
Hex	CAEFE6
RGB	202, 239, 230
RGB Percent	79%, 94%, 90%
CMY	0.2078, 0.0627, 0.0980
CMYK	0.15, 0.00, 0.04, 0.06
HSL	165°, 54%, 86%
HSV	165°, 15%, 94%
XYZ	69.5066, 80.0027, 86.6416
YIQ	226.9110, -19.1630, -10.6430

Conversions

Conversions Part 2

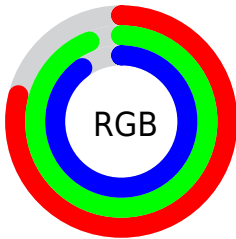
Format	Color
R_{YB}	202, 223, 239
Decimal	13299686
CIE _{Lab}	91.69, -13.69, 0.33
CIE _{LCh}	92, 13.698, 178.607
Yxy	80.0027, 0.2943, 0.3388
Android (android.graphics.Color)	4291489766 (0xFFCAEFE6)
YUV	226.9110, 1.5229, -21.8469
Hunter-Lab	89.4442, -17.8161, 5.1787

Details

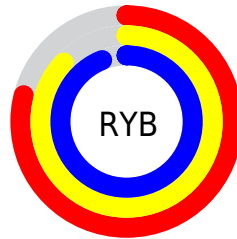
The XYZ color **69.5066, 80.0027, 86.6416** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.4779, 65.2972, 70.6261**, and the grayscale version is **72.9501, 76.7492, 83.5799**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.8841, 43.2580, 46.9631** is the 20% darker color. If you saturate the color by 10%, you get **62.7313, 76.6049, 82.1336**, and if you desaturate by 10%, it is **77.3153, 83.9344, 91.3436**.

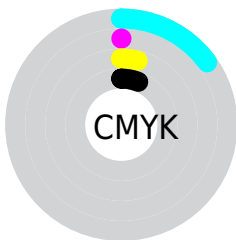
Distribution



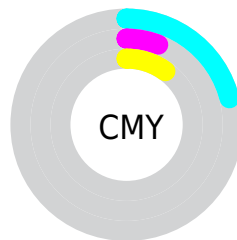
- Red (79%)
- Green (94%)
- Blue (90%)



- Red (79%)
- Yellow (87%)
- Blue (94%)



- Cyan (15%)
- Magenta (0%)
- Yellow (4%)
- Black (6%)



- Cyan (21%)
- Magenta (6%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.5066, 80.0027, 86.6416 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 69.5066, 80.0027, 86.6416 by changing the saturation by 10% instead.

69.5066, 80.0027,
86.6416

69.5066, 80.0027,
86.6416

448.1092,
494.9419, 537.3300

51.4025, 59.7206,
64.6407

117.5350,
133.3695, 144.5589

36.7514, 43.1934,
46.7203

148.1900,
167.2230, 181.3125

25.1879, 30.0369,
32.4618

183.7594,
206.3691, 223.8207

16.3466, 19.8666,
21.4468

224.6085,
251.1921, 272.5020

9.8621, 12.2981,
13.2566

271.1027,
302.0765, 327.7751

5.3692, 6.9471,
7.4726

323.6073,

2.5024, 3.4290,

359.4067, 390.0584

3.6765

382.4876,
423.5671, 459.7706

■ 0.8965, 1.3596,
1.4496

■ 0.0000, 0.1867,
0.1800

■ 69.5066, 80.0027,
86.6416

■ 69.5066, 80.0027,
86.6416

■ 62.7313, 76.6049,
82.1336

■ 77.3153, 83.9344,
91.3436

■ 56.9363, 73.7071,
77.8106

■ 86.1937, 88.4123,
96.2375

■ 52.0740, 71.2871,
73.6708

■ 88.9656, 89.7390,
100.9906

■ 48.0903, 69.3170,
69.7102

■ 89.8795, 90.1045,
105.8030

■ 44.9251, 67.7657,
65.9246

■ 90.1579, 90.2159,
107.2693

■ 42.5107, 66.5986,
62.3092

■ 40.7682, 65.7749,
58.8591

■ 39.6005, 65.2446,
55.5681

■ 39.1932, 65.0660,
54.1298

Harmonies

Analogous

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



70.4370, 80.0027, 77.4472



69.5066, 80.0027, 86.6416



70.2817, 80.0027, 96.6708

Triad

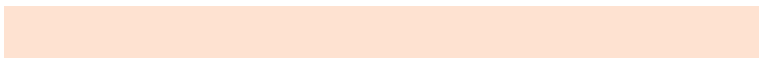
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.5066, 80.0027, 86.6416



79.3093, 80.0027, 105.1561



79.6011, 80.0027, 71.6660

Complementary

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



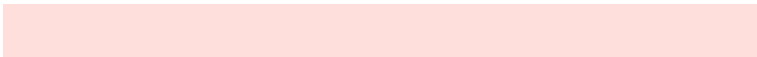
69.5066, 80.0027, 86.6416



68.4779, 65.2972, 70.6261

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.



82.1049, 80.0027, 78.2001



69.5066, 80.0027, 86.6416



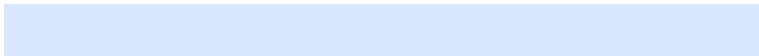
81.9328, 80.0027, 97.5434

Square

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



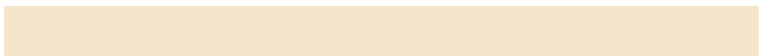
69.5066, 80.0027, 86.6416



75.8767, 80.0027, 107.8406



82.9708, 80.0027, 87.5788



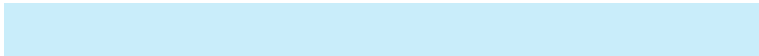
76.2039, 80.0027, 69.2213

Rectangle

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



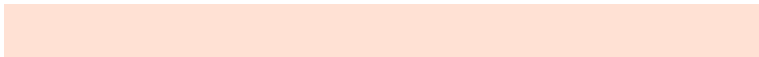
69.5066, 80.0027, 86.6416



71.6751, 80.0027, 102.3888



82.9708, 80.0027, 87.5788



80.5790, 80.0027, 73.4310

Sweetspot

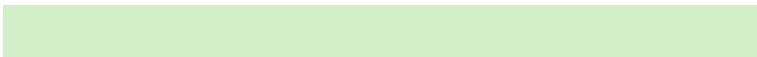
The Sweet Spot groups the original color and five complimentary colors.



69.5089, 80.0060, 86.6434



90.0183, 97.4633, 106.0784



68.4654, 79.8865, 67.6897



19.1217, 20.7876, 22.6212



0.0000, 0.0000, 0.0000



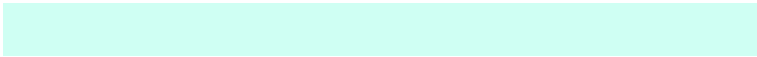
20.3446, 21.4041, 23.3091

Same Dimension

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



69.5089, 80.0060, 86.6434



77.5762, 91.2045, 98.4771



68.1670, 75.2461, 92.5963



16.0734, 17.8594, 19.4093



21.7124, 35.9770, 30.1983



1.8450, 3.0085, 2.7164

Inverse Universe

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



68.4779, 65.2972, 70.6261



76.1432, 70.7476, 76.2046



69.6164, 69.3303, 65.5915



15.9305, 15.8219, 17.1901



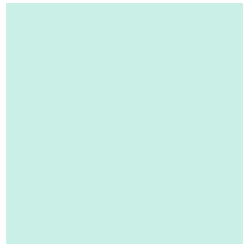
20.1388, 10.3280, 3.3817



1.7134, 0.8744, 0.4816

Previews

White Background



This preview shows how the XYZ color 69.5066, 80.0027, 86.6416 looks on a white background.

Color Contrast Check

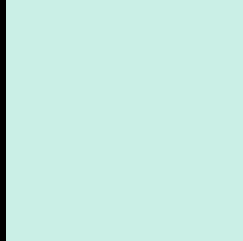
Large Text (above 18pt) WCAG AA × Fail

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 69.5066, 80.0027, 86.6416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

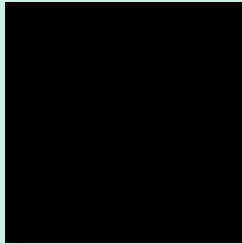
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

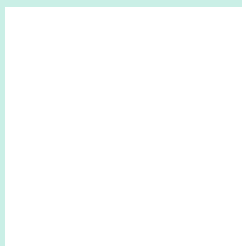
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.5066, 80.0027, 86.6416

Background



This preview shows how black text looks on a background with the XYZ color 69.5066, 80.0027, 86.6416.

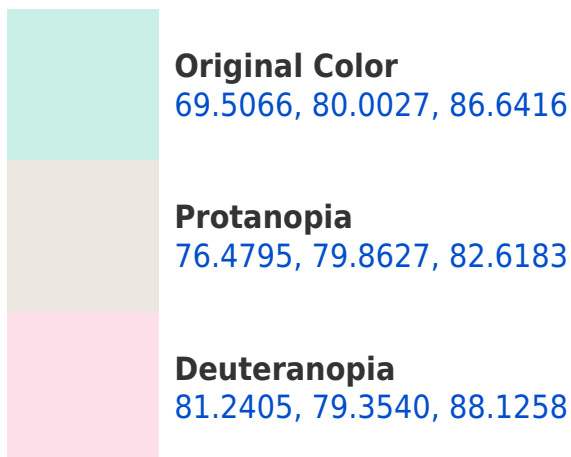


This preview shows how white text looks on a background with the XYZ color 69.5066, 80.0027,

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

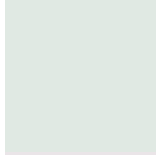
73.0513, 79.6942, 105.2982

Trichromacy



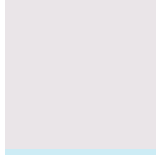
Original Color

69.5066, 80.0027, 86.6416



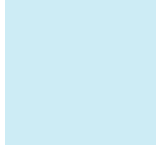
Protanomaly

73.7445, 79.6712, 84.1644



Deuteranomaly

76.5165, 79.3572, 87.6286



Tritanomaly

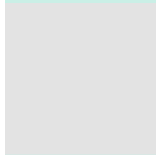
71.6537, 79.5626, 97.9668

Monochromacy



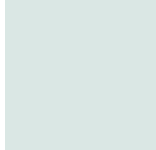
Original Color

69.5066, 80.0027, 86.6416



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

71.4929, 77.6587, 84.6203

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.5066, 80.0027, 86.6416 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, 239, 230)` looks like.

```
.text, #text, p{  
    color:rgb(202, 239, 230)  
}
```

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, 239, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 239, 230) }
```

Border

The CSS property to change the border of an element to XYZ 69.5066, 80.0027, 86.6416 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, 239, 230) }
```


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

```
.border{ border-color:rgb(202, 239, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 239, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 239, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 239, 230);  
box-shadow:4px 4px 4px 4px rgb(202, 239,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 69.5066, 80.0027, 86.6416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 239, 230) }
```

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

```
.background{ background-color: rgb(202,  
239, 230) }
```

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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