

Converting Colors

XYZ(66.2015, 79.8776, 88.6578)

Have a look what the booklet for
XYZ(66.2015, 79.8776, 88.6578)
contains.

XYZ(66.2870, 80.0517, 89.0486)	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(66.2870, 80.0517,
89.0486)**

Conversions

Conversions Part 1

Format	Color
Hex	B7F3E9
RGB	183, 243, 233
RGB Percent	72%, 95%, 91%
CMY	0.2823, 0.0470, 0.0863
CMYK	0.25, 0.00, 0.04, 0.05
HSL	170°, 71%, 84%
HSV	170°, 25%, 95%
XYZ	66.2870, 80.0517, 89.0486
YIQ	223.9200, -32.5500, -15.8300

Conversions

Conversions Part 2

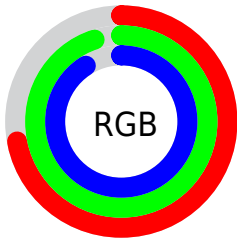
Format	Color
R_{YB}	183, 216, 243
Decimal	12055529
CIE _{Lab}	91.71, -20.85, -1.33
CIE _{LCh}	92, 20.897, 183.649
Yxy	80.0517, 0.2816, 0.3401
Android (android.graphics.Color)	4290245609 (0xFFB7F3E9)
YUV	223.9200, 4.4764, -35.8868
Hunter-Lab	89.4716, -24.3297, 3.6204

Details

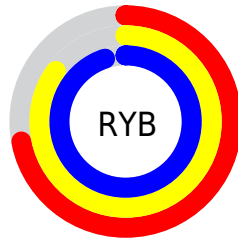
The XYZ color **66.2870, 80.0517, 89.0486** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.5241, 56.7740, 58.0658**, and the grayscale version is **70.7820, 74.4681, 81.0958**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **34.6082, 43.3042, 48.1295** is the 20% darker color. If you saturate the color by 10%, you get **60.4270, 77.0990, 85.7893**, and if you desaturate by 10%, it is **73.1627, 83.5307, 92.4283**.

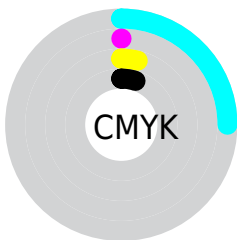
Distribution



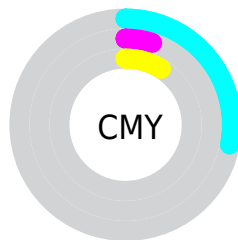
- Red (72%)
- Green (95%)
- Blue (91%)



- Red (72%)
- Yellow (85%)
- Blue (95%)



- Cyan (25%)
- Magenta (0%)
- Yellow (4%)
- Black (5%)





- Cyan (28%)
- Magenta (5%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.2870, 80.0517, 89.0486 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 66.2870, 80.0517, 89.0486 by changing the saturation by 10% instead.


 66.2870, 80.0517,
89.0486

 66.2870, 80.0517,
89.0486


436.8751,
495.1071, 545.4211

 48.7740, 59.7609,
66.6226


 112.9536,
133.4384, 147.9401

 34.6540, 43.2259,
48.3183


142.8379,
167.3031, 185.2426

 23.5617, 30.0624,
33.7172


177.5767,
206.4613, 228.3411

 15.1318, 19.8860,
22.4009

217.5353,
251.2972, 277.6540

 8.9989, 12.3122,
13.9506

263.0791,
302.1954, 333.6000

 4.7975, 6.9567,
7.9480

314.5734,

 2.1625, 3.4350,

359.5401, 396.5974

3.9744

372.3836,
423.7159, 467.0650

0.7229, 1.3628,
1.6113

0.0000, 0.1891,
0.2989

66.2870, 80.0517,
89.0486

66.2870, 80.0517,
89.0486

60.4270, 77.0990,
85.7893

73.1627, 83.5307,
92.4283

55.5246, 74.6362,
82.6419

81.0949, 87.5507,
95.9255

51.5259, 72.6379,
79.6054

89.7972, 91.9662,
99.5290

48.3694, 71.0723,
76.6762

90.4232, 92.2166,
102.8253

■ 45.9854, 69.9033,
73.8507

■ 91.0628, 92.4724,
106.1933

■ 44.2930, 69.0895,
71.1246

■ 91.3421, 92.5841,
107.6640

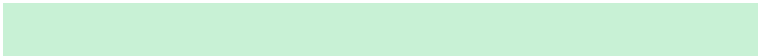
■ 43.1930, 68.5795,
68.4928

■ 42.7712, 68.3918,
67.1302

Harmonies

Analogous

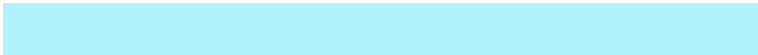
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.2465, 80.0517, 74.7433



66.2870, 80.0517, 89.0486



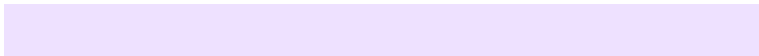
67.8504, 80.0517, 104.5045

Triad

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



66.2870, 80.0517, 89.0486



81.9228, 80.0517, 114.0235



80.7390, 80.0517, 63.3649

Complementary

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



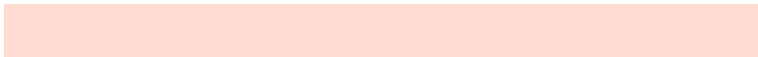
66.2870, 80.0517, 89.0486



63.5241, 56.7740, 58.0658

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.



84.9640, 80.0517, 71.8540



66.2870, 80.0517, 89.0486



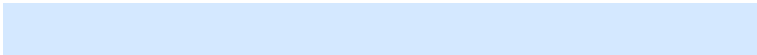
85.6697, 80.0517, 100.8868

Square

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



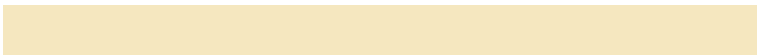
66.2870, 80.0517, 89.0486



76.7424, 80.0517, 119.9489



86.8076, 80.0517, 85.3036



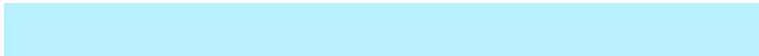
75.4348, 80.0517, 60.9719

Rectangle

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



66.2870, 80.0517, 89.0486



70.1578, 80.0517, 113.0739



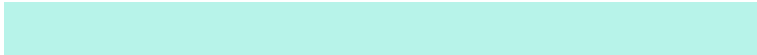
86.8076, 80.0517, 85.3036



82.3406, 80.0517, 65.5471

Sweetspot

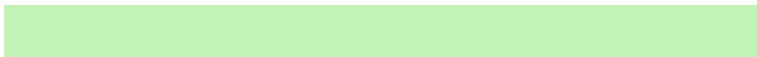
The Sweet Spot groups the original color and five complimentary colors.



66.2893, 80.0550, 89.0504



88.3097, 96.5802, 106.1030



62.8484, 78.9928, 56.7357



18.7836, 20.6121, 22.6594



0.0000, 0.0000, 0.0000



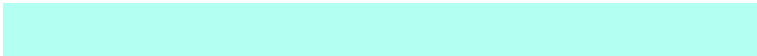
20.3446, 21.4041, 23.3091

Same Dimension

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



66.2893, 80.0550, 89.0504



70.2991, 87.4699, 97.3768



62.3642, 69.8525, 94.9938



16.8711, 18.7076, 20.6056



23.5167, 37.5515, 37.0703



2.0977, 3.3127, 3.4205

Inverse Universe

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



63.5241, 56.7740, 58.0658



66.6920, 57.0729, 56.9377



66.6326, 64.7171, 53.7808



16.6118, 16.5276, 17.7025



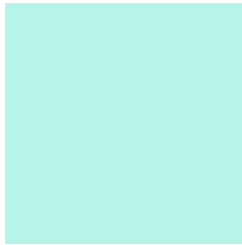
20.5339, 10.5570, 2.2541



1.8365, 0.9406, 0.3655

Previews

White Background



This preview shows how the XYZ color 66.2870, 80.0517, 89.0486 looks on a white background.

Color Contrast Check

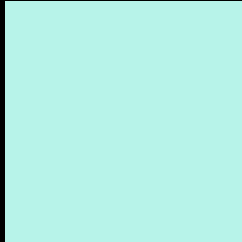
Large Text (above 18pt) WCAG AA × Fail

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 66.2870, 80.0517, 89.0486 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

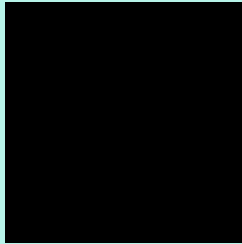
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

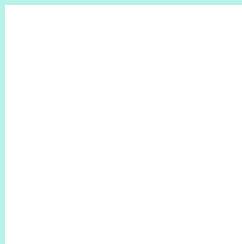
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.2870, 80.0517, 89.0486

Background



This preview shows how black text looks on a background with the XYZ color 66.2870, 80.0517, 89.0486.



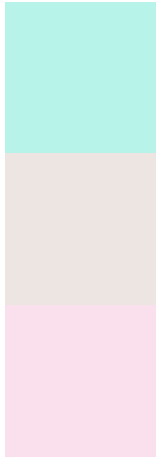
This preview shows how white text looks on a background with the XYZ color 66.2870, 80.0517,

89.0486.

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

66.2870, 80.0517, 89.0486

Protanopia

76.2020, 79.3077, 82.5258

Deuteranopia

81.0981, 79.2138, 91.1362



Tritanopia

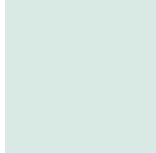
70.8727, 79.8384, 106.2827

Trichromacy



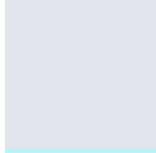
Original Color

66.2870, 80.0517, 89.0486



Protanomaly

72.0417, 79.1988, 84.8887



Deuteranomaly

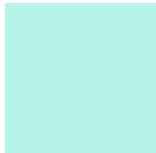
74.8012, 78.8185, 90.6279



Tritanomaly

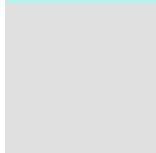
69.1838, 79.9827, 99.7875

Monochromacy



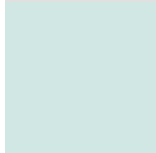
Original Color

66.2870, 80.0517, 89.0486



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

68.7355, 76.2532, 83.7686

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.2870, 80.0517, 89.0486 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(183, 243, 233)` looks like.

```
.text, #text, p{  
    color:rgb(183, 243, 233)  
}
```

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(183, 243, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 243, 233) }
```

Border

The CSS property to change the border of an element to XYZ 66.2870, 80.0517, 89.0486 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(183, 243, 233) }
```


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

```
.border{ border-color:rgb(183, 243, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 243, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 243, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 243, 233);  
box-shadow:4px 4px 4px 4px rgb(183, 243,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 66.2870, 80.0517, 89.0486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 243, 233) }
```

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

```
.background{ background-color: rgb(183,  
243, 233) }
```

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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