

Converting Colors

XYZ(70.1190, 80.6616, 86.0099)

Have a look what the booklet for
XYZ(70.1190, 80.6616, 86.0099)
contains.

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Color

**XYZ(70.2048, 80.8147,
86.0273)**

Conversions

Conversions Part 1

Format	Color
Hex	CCF0E5
RGB	204, 240, 229
RGB Percent	80%, 94%, 90%
CMY	0.2000, 0.0588, 0.1020
CMYK	0.15, 0.00, 0.05, 0.06
HSL	162°, 55%, 87%
HSV	162°, 15%, 94%
XYZ	70.2048, 80.8147, 86.0273
YIQ	227.9820, -17.9250, -11.0530

Conversions

Conversions Part 2

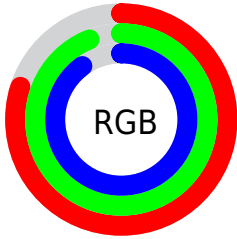
Format	Color
R_{YB}	204, 225, 240
Decimal	13431013
CIE _{Lab}	92.05, -13.76, 1.40
CIE _{LCh}	92, 13.827, 174.197
Yxy	80.8147, 0.2962, 0.3409
Android (android.graphics.Color)	4291621093 (0xFFCCCF0E5)
YUV	227.9820, 0.5019, -21.0322
Hunter-Lab	89.8970, -17.9207, 6.1901

Details

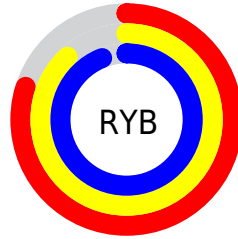
The XYZ color **70.2048, 80.8147, 86.0273** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.7967, 66.6195, 73.4738**, and the grayscale version is **73.7374, 77.5775, 84.4819**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.1749, 43.7265, 46.5251** is the 20% darker color. If you saturate the color by 10%, you get **63.1245, 77.2827, 80.4632**, and if you desaturate by 10%, it is **78.3466, 84.8933, 91.8704**.

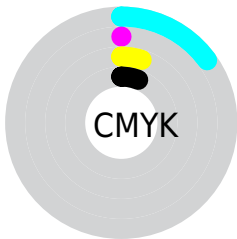
Distribution



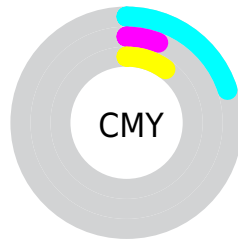
- Red (80%)
- Green (94%)
- Blue (90%)



- Red (80%)
- Yellow (88%)
- Blue (94%)



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.2048, 80.8147, 86.0273 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 70.2048, 80.8147, 86.0273 by changing the saturation by 10% instead.

70.2048, 80.8147,
86.0273

70.2048, 80.8147,
86.0273

450.5240,
497.6742, 535.2542

51.9737, 60.3890,
64.1355

118.5254,
134.5106, 143.6945

37.2083, 43.7323,
46.3136

149.3457,
168.5495, 180.3069

25.5432, 30.4601,
32.1429

185.0931,
207.8950, 222.6634

16.6131, 20.1881,
21.2049

226.1329,
252.9314, 271.1823

10.0526, 12.5318,
13.0812

272.8306,
304.0431, 326.2824

5.4964, 7.1070,
7.3531

325.5514,

2.5791, 3.5291,

361.6146, 388.3820

3.6021

384.6607,
426.0301, 457.8998

■ 0.9353, 1.4138,
1.4097

■ 0.0000, 0.2269,
0.1493

■ 70.2048, 80.8147,
86.0273

■ 70.2048, 80.8147,
86.0273

■ 63.1245, 77.2827,
80.4632

■ 78.3466, 84.8933,
91.8704

■ 57.0521, 74.2632,
75.1677

■ 87.5870, 89.5310,
97.9919

■ 51.9394, 71.7336,
70.1375

■ 89.8153, 90.5487,
104.0166

■ 47.7317, 69.6656,
65.3672

■ 90.4516, 90.8032,
107.3672

■ 44.3683, 68.0282,
60.8510

■ 41.7810, 66.7862,
56.5827

■ 39.8904, 65.8988,
52.5556

■ 38.5992, 65.3158,
48.7621

■ 38.1046, 65.1004,
46.9488

Harmonies

Analogous

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



71.3960, 80.8147, 77.0221



70.2048, 80.8147, 86.0273



70.7392, 80.8147, 96.2709

Triad

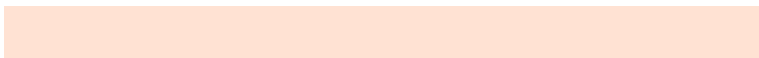
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.2048, 80.8147, 86.0273



79.6503, 80.8147, 107.1021



80.8840, 80.8147, 73.0404

Complementary

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



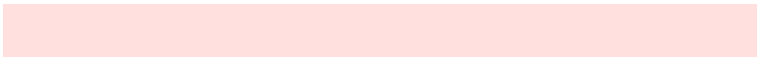
70.2048, 80.8147, 86.0273



69.7967, 66.6195, 73.4738

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.



83.2227, 80.8147, 80.2047



70.2048, 80.8147, 86.0273



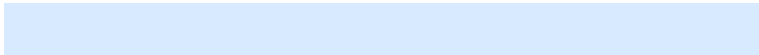
82.4951, 80.8147, 99.9602

Square

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



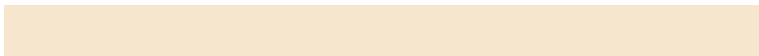
70.2048, 80.8147, 86.0273



76.1223, 80.8147, 108.9607



83.8212, 80.8147, 89.9894



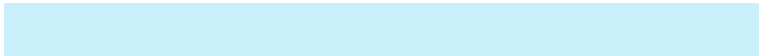
77.5057, 80.8147, 69.9049

Rectangle

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



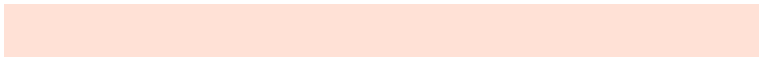
70.2048, 80.8147, 86.0273



72.0108, 80.8147, 102.3711



83.8212, 80.8147, 89.9894



81.8219, 80.8147, 75.0293

Sweetspot

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



70.2071, 80.8181, 86.0291



89.8927, 97.4131, 105.4169



70.2038, 81.1911, 69.0994



19.0911, 20.7754, 22.4602



0.0000, 0.0000, 0.0000



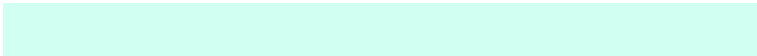
20.3446, 21.4041, 23.3091

Same Dimension

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



70.2071, 80.8181, 86.0291



77.9558, 91.4391, 96.7378



69.8849, 77.6364, 93.7440



16.0297, 17.8419, 19.1791



20.9201, 35.6601, 26.0260



1.7845, 2.9842, 2.3975

Inverse Universe

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



69.7967, 66.6195, 73.4738



77.4016, 72.2446, 79.7678



70.0319, 69.2772, 66.8088



15.9717, 15.8384, 17.4071



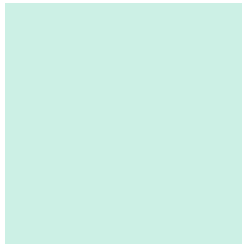
20.3880, 10.4276, 4.6940



1.7388, 0.8846, 0.6154

Previews

White Background



This preview shows how the XYZ color 70.2048, 80.8147, 86.0273 looks on a white background.

Color Contrast Check

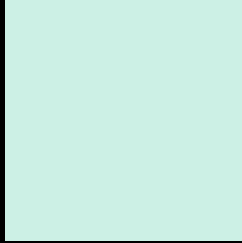
Large Text (above 18pt) WCAG AA × Fail

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 70.2048, 80.8147, 86.0273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

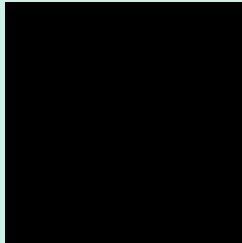
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

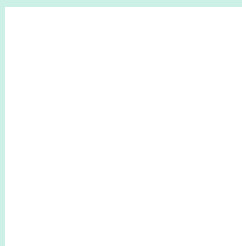
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.2048, 80.8147, 86.0273

Background



This preview shows how black text looks on a background with the XYZ color 70.2048, 80.8147, 86.0273.

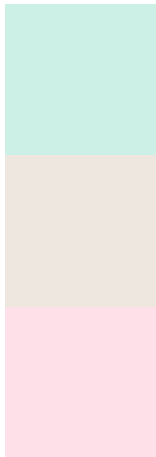


This preview shows how white text looks on a background with the XYZ color 70.2048, 80.8147,

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

70.2048, 80.8147, 86.0273

Protanopia

77.2904, 80.7108, 82.0261

Deuteranopia

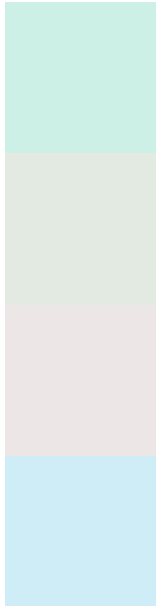
82.0942, 80.2083, 87.4989



Tritanopia

74.3399, 80.7662, 106.2790

Trichromacy



Original Color

70.2048, 80.8147, 86.0273

Protanomaly

74.5143, 80.5054, 83.5633

Deuteranomaly

77.3127, 80.1960, 87.0059

Tritanomaly

72.6509, 80.4876, 98.8953

Monochromacy



Original Color

70.2048, 80.8147, 86.0273

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

72.0736, 78.3747, 84.7279

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.2048, 80.8147, 86.0273 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, 240, 229)` looks like.

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

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, 240, 229) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 70.2048, 80.8147, 86.0273 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, 240, 229) }
```


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

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

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

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

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

Background

The CSS property to change the background color of an element to XYZ 70.2048, 80.8147, 86.0273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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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