

Converting Colors

XYZ(67.2240, 80.3807, 76.0902)

Have a look what the booklet for
XYZ(67.2240, 80.3807, 76.0902)
contains.

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Color

**XYZ(67.3066, 80.4163,
76.2644)**

Conversions

Conversions Part 1

Format	Color
Hex	C6F2D7
RGB	198, 242, 215
RGB Percent	78%, 95%, 84%
CMY	0.2235, 0.0510, 0.1569
CMYK	0.18, 0.00, 0.11, 0.05
HSL	143°, 63%, 86%
HSV	143°, 18%, 95%
XYZ	67.3066, 80.4163, 76.2644
YIQ	225.7660, -17.5570, -17.7250

Conversions

Conversions Part 2

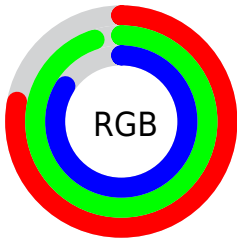
Format	Color
R_{YB}	198, 230, 242
Decimal	13038295
CIE _{Lab}	91.87, -19.30, 8.37
CIE _{LCh}	92, 21.033, 156.555
Yxy	80.4163, 0.3005, 0.3590
Android (android.graphics.Color)	4291228375 (0xFFC6F2D7)
YUV	225.7660, -5.3076, -24.3508
Hunter-Lab	89.6751, -22.9565, 12.3493

Details

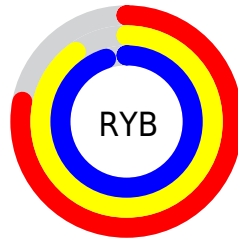
The XYZ color **67.3066, 80.4163, 76.2644** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.4055, 64.7037, 80.0162**, and the grayscale version is **72.1678, 75.9261, 82.6835**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.4057, 43.5852, 39.8044** is the 20% darker color. If you saturate the color by 10%, you get **59.6079, 76.6603, 66.3912**, and if you desaturate by 10%, it is **76.2022, 84.7738, 87.1013**.

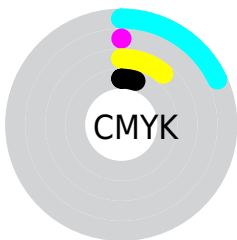
Distribution



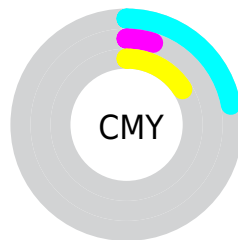
- Red (78%)
- Green (95%)
- Blue (84%)



- Red (78%)
- Yellow (90%)
- Blue (95%)



- Cyan (18%)
- Magenta (0%)
- Yellow (11%)
- Black (5%)



- Cyan (22%)
- Magenta (5%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.3066, 80.4163, 76.2644 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 67.3066, 80.4163, 76.2644 by changing the saturation by 10% instead.

67.3066, 80.4163,
76.2644

67.3066, 80.4163,
76.2644

440.4507,
496.3347, 501.6232

49.6054, 60.0610,
56.1414

114.4070,
133.9509, 129.8641

35.3165, 43.4678,
39.9115

144.5370,
167.8989, 164.1779

24.0744, 30.2523,
27.1563

179.5406,
207.1467, 204.0589

15.5139, 20.0302,
17.4572

219.7832,
252.0785, 249.9259

9.2695, 12.4170,
10.3956

265.6301,
303.0788, 302.1973

4.9759, 7.0283,
5.5530

317.4468,

2.2677, 3.4798,

360.5320, 361.2916

2.5109

375.5985,
424.8225, 427.6274

■ 0.7781, 1.3871,
0.8459

■ 0.0000, 0.2072,
0.0000

■ 67.3066, 80.4163,
76.2644

■ 67.3066, 80.4163,
76.2644

■ 59.6079, 76.6603,
66.3912

■ 76.2022, 84.7738,
87.1013

■ 53.0466, 73.4689,
57.4501

■ 86.3374, 89.7475,
98.9219

■ 47.5679, 70.8167,
49.4150

■ 91.0436, 91.9873,
107.5645

■ 43.1096, 68.6722,
42.2571

■ 39.6030, 67.0006,
35.9456

■ 36.9704, 65.7624,
30.4482

■ 35.1207, 64.9113,
25.7298

■ 33.9289, 64.3837,
21.7521

■ 33.7514, 64.3064,
21.1046

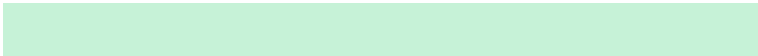
Harmonies

Analogous

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



70.4204, 80.4163, 65.7994



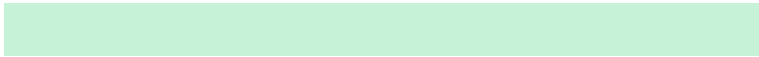
67.3066, 80.4163, 76.2644



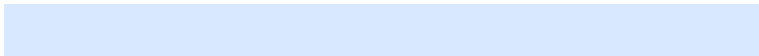
66.5848, 80.4163, 90.9948

Triad

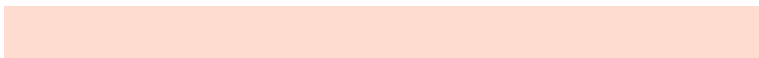
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.3066, 80.4163, 76.2644



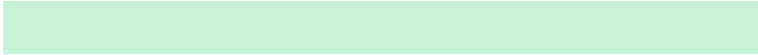
77.6235, 80.4163, 120.5113



85.0718, 80.4163, 71.0319

Complementary

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



67.3066, 80.4163, 76.2644



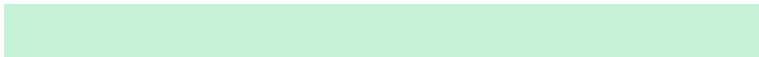
70.4055, 64.7037, 80.0162

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.



87.2080, 80.4163, 84.2121



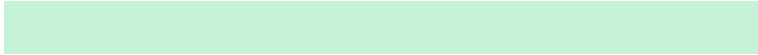
67.3066, 80.4163, 76.2644



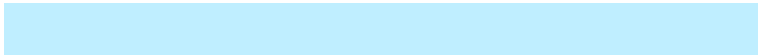
82.7790, 80.4163, 113.6554

Square

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



67.3066, 80.4163, 76.2644



72.3802, 80.4163, 117.7386



86.3498, 80.4163, 99.9185



80.6349, 80.4163, 63.0360

Rectangle

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



67.3066, 80.4163, 76.2644



67.5254, 80.4163, 101.5226



86.3498, 80.4163, 99.9185



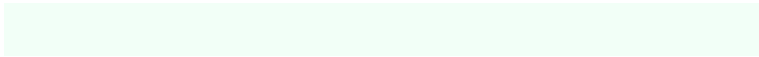
86.0920, 80.4163, 74.9395

Sweetspot

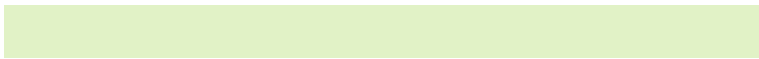
The Sweet Spot groups the original color and five complimentary colors.



67.3088, 80.4197, 76.2662



89.2795, 97.1678, 102.1877



73.0410, 83.6142, 65.7167



18.9420, 20.7158, 21.6753



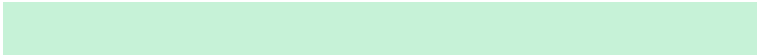
0.0000, 0.0000, 0.0000



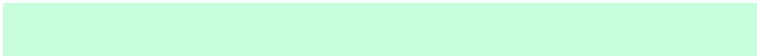
20.3446, 21.4041, 23.3091

Same Dimension

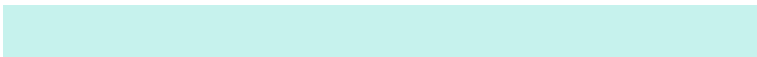
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.3088, 80.4197, 76.2662



72.2810, 88.8462, 81.4483



70.3101, 81.6202, 92.0708



15.8187, 17.7575, 18.0680



18.1926, 34.5691, 11.6632



1.5607, 2.8947, 1.2191

Inverse Universe

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



70.4055, 64.7037, 80.0162



76.3951, 67.9627, 86.4274



67.6099, 63.5855, 65.2945



16.1805, 15.9219, 18.5065



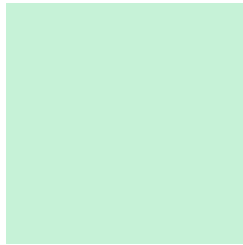
22.6335, 11.3258, 16.5185



1.9314, 0.9616, 1.6297

Previews

White Background



This preview shows how the XYZ color 67.3066, 80.4163, 76.2644 looks on a white background.

Color Contrast Check

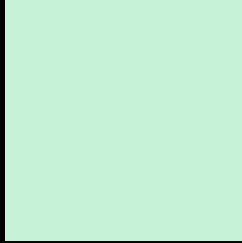
Large Text (above 18pt) WCAG AA × Fail

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 67.3066, 80.4163, 76.2644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

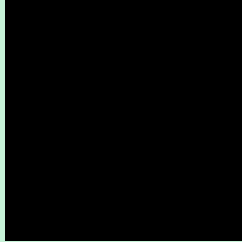
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

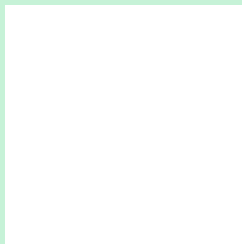
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.3066, 80.4163, 76.2644

Background



This preview shows how black text looks on a background with the XYZ color 67.3066, 80.4163, 76.2644.

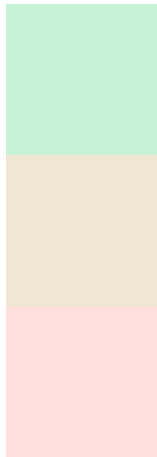


This preview shows how white text looks on a background with the XYZ color 67.3066, 80.4163,

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

67.3066, 80.4163, 76.2644

Protanopia

75.7406, 79.7223, 71.7176

Deuteranopia

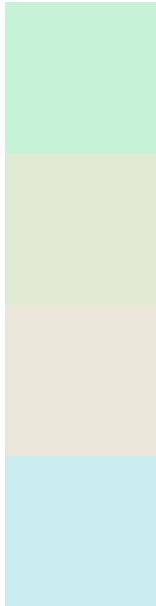
80.8139, 79.7386, 78.8419



Tritanopia

73.2223, 80.1900, 106.2267

Trichromacy



Original Color

67.3066, 80.4163, 76.2644

Protanomaly

72.2320, 79.5563, 73.1769

Deuteranomaly

75.1625, 79.7062, 77.7530

Tritanomaly

70.6598, 79.9969, 94.1549

Monochromacy



Original Color

67.3066, 80.4163, 76.2644

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

70.3603, 77.5861, 80.3745

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.3066, 80.4163, 76.2644 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(198, 242, 215)` looks like.

```
.text, #text, p{  
    color:rgb(198, 242, 215)  
}
```

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(198, 242, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 242, 215) }
```

Border

The CSS property to change the border of an element to XYZ 67.3066, 80.4163, 76.2644 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(198, 242, 215) }
```


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

```
.border{ border-color:rgb(198, 242, 215) }
```

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

Here you see how a box with a 4 pixel rgb(198, 242, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 242, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 242, 215);  
box-shadow:4px 4px 4px 4px rgb(198, 242,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 67.3066, 80.4163, 76.2644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 242, 215) }
```

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

```
.background{ background-color: rgb(198,  
242, 215) }
```

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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