

Converting Colors

XYZ(66.7569, 82.1978, 62.7061)

Have a look what the booklet for
XYZ(66.7569, 82.1978, 62.7061)
contains.

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Color

**XYZ(66.6688, 82.1793,
62.8004)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | C9F6C1 |
| RGB | 201, 246, 193 |
| RGB Percent | 79%, 96%, 76% |
| CMY | 0.2118, 0.0353, 0.2431 |
| CMYK | 0.18, 0.00, 0.22, 0.04 |
| HSL | 111°, 75%, 86% |
| HSV | 111°, 22%, 96% |
| XYZ | 66.6688, 82.1793, 62.8004 |
| YIQ | 226.5030, -9.8070, -26.0230 |

Conversions

Conversions Part 2

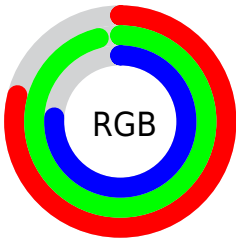
| Format | Color |
|-------------------------------------|---------------------------------|
| R_{YB} | 193, 246, 238 |
| Decimal | 13235905 |
| CIE _{Lab} | 92.65, -24.08, 20.85 |
| CIE _{LCh} | 93, 31.856, 139.109 |
| Yxy | 82.1793, 0.3150, 0.3883 |
| Android (android.graphics.Color) | 4291425985 (0xFFC9F6C1) |
| YUV | 226.5030, -16.5170, -22.3661 |
| Hunter-Lab | 90.6528, -27.3681, 22.3834 |

Details

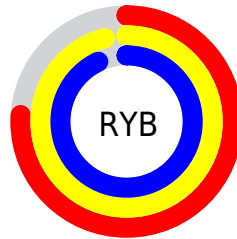
The XYZ color **66.6688, 82.1793, 62.8004** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.9678, 62.9732, 95.6077**, and the grayscale version is **72.7758, 76.5658, 83.3802**.

A 20% lighter version of the original color is **94.2553, 99.6821, 104.7153**, and **34.9277, 44.8020, 31.2329** is the 20% darker color. If you saturate the color by 10%, you get **58.9115, 78.4738, 49.2842**, and if you desaturate by 10%, it is **75.6506, 86.4681, 78.7601**.

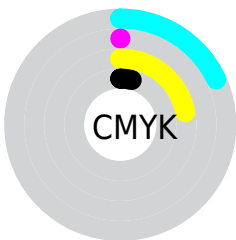
Distribution



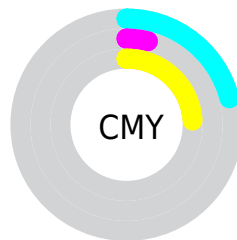
- Red (79%)
- Green (96%)
- Blue (76%)



- Red (76%)
- Yellow (96%)
- Blue (93%)



- Cyan (18%)
- Magenta (0%)
- Yellow (22%)
- Black (4%)





- Cyan (21%)
- Magenta (4%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.6688, 82.1793, 62.8004 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 66.6688, 82.1793, 62.8004 by changing the saturation by 10% instead.


 66.6688, 82.1793,
62.8004

 66.6688, 82.1793,
62.8004


438.2160,
502.2472, 452.9327

 49.0852, 61.5133,
45.2398

 113.4981,
136.4254, 110.4643

 34.9019, 44.6396,
31.3020


143.4746,
170.7744, 141.4047

 23.7535, 31.1736,
20.5685


178.3127,
210.4531, 177.6420

 15.2746, 20.7311,
12.6208

218.3779,
255.8460, 219.5949

 9.0999, 12.9276,
7.0403

264.0354,
307.3375, 267.6819

 4.8640, 7.3787,
3.4085

315.6507,

 2.2016, 3.7000,

365.3119, 322.3215

1.3068

373.5891,
430.1537, 383.9323

■ 0.7436, 1.5072,
0.0674

■ 0.0000, 0.2938,
0.0000

■ 66.6688, 82.1793,
62.8004

■ 66.6688, 82.1793,
62.8004

■ 58.9115, 78.4738,
49.2842

■ 75.6506, 86.4681,
78.7601

■ 52.3191, 75.3163,
38.0859

■ 85.9001, 91.3528,
97.2699

■ 46.8364, 72.6836,
29.0768

■ 92.2474, 94.3948,
107.9658

■ 42.4015, 70.5469,
22.1135

■ 38.9461, 68.8744,
17.0357

■ 36.3934, 67.6305,
13.6589

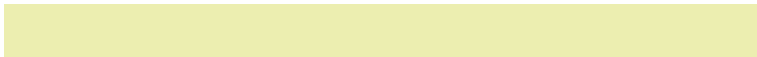
■ 34.6547, 66.7744,
11.7620

■ 33.7249, 66.3105,
11.0217

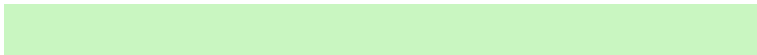
Harmonies

Analogous

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



73.0064, 82.1793, 52.9063



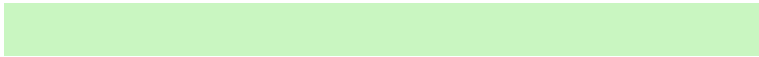
66.6688, 82.1793, 62.8004



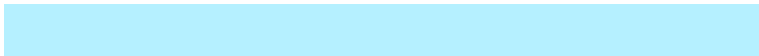
63.4794, 82.1793, 81.1289

Triad

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



66.6688, 82.1793, 62.8004



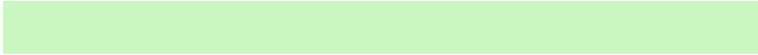
75.1360, 82.1793, 142.2067



94.1582, 82.1793, 75.3521

Complementary

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



66.6688, 82.1793, 62.8004



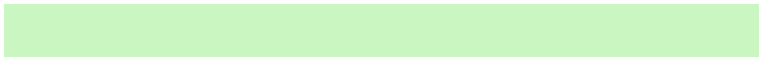
70.9678, 62.9732, 95.6077

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.



94.8295, 82.1793, 98.3839



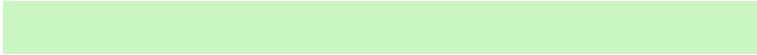
66.6688, 82.1793, 62.8004



83.4439, 82.1793, 139.9132

Square

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



66.6688, 82.1793, 62.8004



68.1328, 82.1793, 128.6131



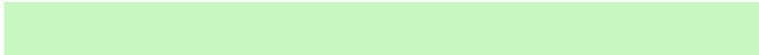
90.7883, 82.1793, 122.8109



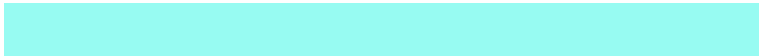
89.0143, 82.1793, 59.2174

Rectangle

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



66.6688, 82.1793, 62.8004



63.4045, 82.1793, 96.9024



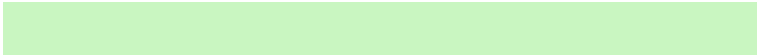
90.7883, 82.1793, 122.8109



94.9274, 82.1793, 82.4453

Sweetspot

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



66.6710, 82.1828, 62.8022



88.0647, 96.6723, 96.2227



77.9676, 84.1119, 62.5791



18.6933, 20.6174, 20.3136



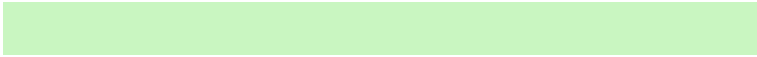
0.0000, 0.0000, 0.0000



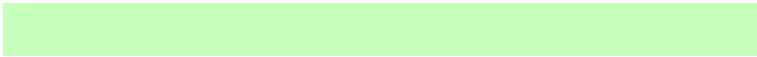
20.3446, 21.4041, 23.3091

Same Dimension

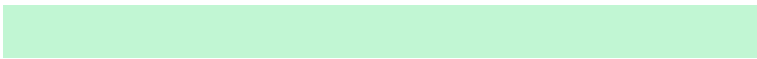
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.6710, 82.1828, 62.8022



68.3880, 87.2830, 61.2164



66.6667, 81.9391, 73.7133



16.5150, 18.5920, 17.5157



18.0720, 35.4292, 5.8860



1.6568, 3.1492, 0.5205

Inverse Universe

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



70.9678, 62.9732, 95.6077



73.8373, 62.8977, 102.8566



71.1288, 63.3548, 82.1245



16.9535, 16.6342, 20.8597



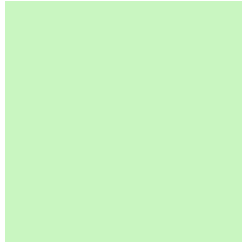
22.9906, 10.8264, 47.4160



2.0859, 0.9852, 4.1705

Previews

White Background



This preview shows how the XYZ color 66.6688, 82.1793, 62.8004 looks on a white background.

Color Contrast Check

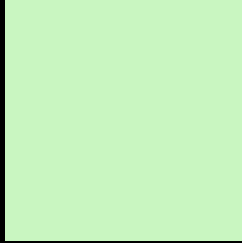
Large Text (above 18pt) WCAG AA × Fail

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 66.6688, 82.1793, 62.8004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

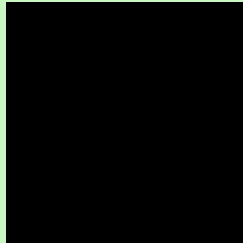
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

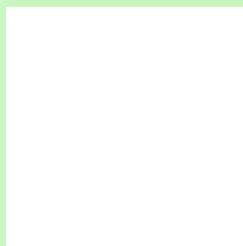
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.6688, 82.1793, 62.8004

Background



This preview shows how black text looks on a background with the XYZ color 66.6688, 82.1793, 62.8004.

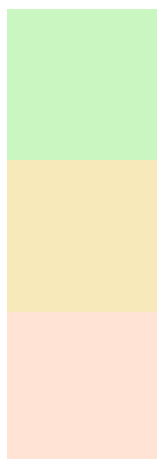


This preview shows how white text looks on a background with the XYZ color 66.6688, 82.1793,

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

66.6688, 82.1793, 62.8004

Protanopia

76.8200, 81.8221, 58.7581

Deuteranopia

80.9936, 81.5509, 74.4229



Tritanopia

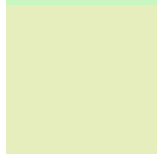
75.7748, 81.9345, 106.4289

Trichromacy



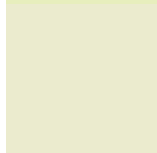
Original Color

66.6688, 82.1793, 62.8004



Protanomaly

72.7148, 81.8121, 60.1029



Deuteranomaly

75.1099, 81.5351, 70.1716



Tritanomaly

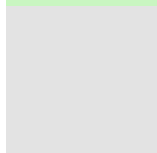
72.0201, 81.7017, 88.3181

Monochromacy



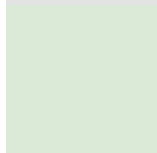
Original Color

66.6688, 82.1793, 62.8004



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

70.6020, 78.6574, 75.7512

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.6688, 82.1793, 62.8004 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(201, 246, 193)` looks like.

```
.text, #text, p{  
    color:rgb(201, 246, 193)  
}
```

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(201, 246, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 246, 193) }
```

Border

The CSS property to change the border of an element to XYZ 66.6688, 82.1793, 62.8004 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(201, 246, 193) }
```


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

```
.border{ border-color:rgb(201, 246, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 246, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(201, 246, 193); -webkit-box-shadow:4px 4px 4px 4px rgb(201, 246, 193); box-shadow:4px 4px 4px 4px rgb(201, 246, 193) }
```

Background

The CSS property to change the background color of an element to XYZ 66.6688, 82.1793, 62.8004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 246, 193) }
```

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

```
.background{ background-color: rgb(201,  
246, 193) }
```

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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