

Converting Colors

XYZ(65.0272, 78.5827, 60.0916)

Have a look what the booklet for
XYZ(65.0272, 78.5827, 60.0916)
contains.

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Color

**XYZ(64.9740, 78.6908,
59.9085)**

Conversions

Conversions Part 1

Format	Color
Hex	CBF0BD
RGB	203, 240, 189
RGB Percent	80%, 94%, 74%
CMY	0.2039, 0.0588, 0.2588
CMYK	0.15, 0.00, 0.21, 0.06
HSL	104°, 63%, 84%
HSV	104°, 21%, 94%
XYZ	64.9740, 78.6908, 59.9085
YIQ	223.1230, -5.6810, -23.7050

Conversions

Conversions Part 2

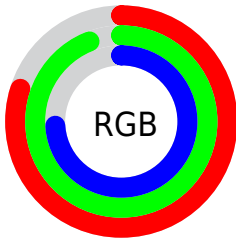
Format	Color
R_{YB}	189, 240, 226
Decimal	13365437
CIE _{Lab}	91.09, -21.16, 20.76
CIE _{LCh}	91, 29.640, 135.541
Yxy	78.6908, 0.3192, 0.3865
Android (android.graphics.Color)	4291555517 (0xFFC _B F0BD)
YUV	223.1230, -16.8226, -17.6479
Hunter-Lab	88.7078, -24.4965, 22.0542

Details

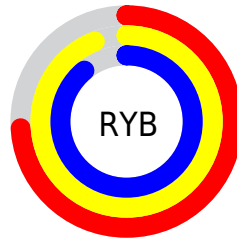
The XYZ color **64.9740, 78.6908, 59.9085** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **65.2931, 58.8575, 90.3615**, and the grayscale version is **70.3471, 74.0107, 80.5976**.

A 20% lighter version of the original color is **93.4814, 99.3726, 100.6400**, and **33.7264, 42.3261, 29.3139** is the 20% darker color. If you saturate the color by 10%, you get **58.1031, 75.4276, 47.0947**, and if you desaturate by 10%, it is **72.8129, 82.4079, 75.0212**.

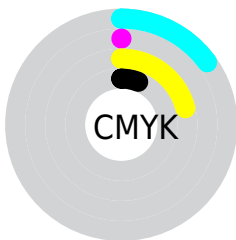
Distribution



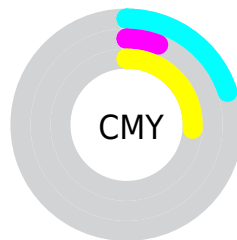
- Red (80%)
- Green (94%)
- Blue (74%)



- Red (74%)
- Yellow (94%)
- Blue (89%)



- Cyan (15%)
- Magenta (0%)
- Yellow (21%)
- Black (6%)




- Cyan (20%)
- Magenta (6%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.9740, 78.6908, 59.9085 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 64.9740, 78.6908, 59.9085 by changing the saturation by 10% instead.


 64.9740, 78.6908,
59.9085

 64.9740, 78.6908,
59.9085


432.2452,
490.5097, 442.0557

 47.7046, 58.6416,
42.9201


 111.0784,
131.5235, 106.2390

 33.8033, 42.3247,
29.4915


140.6441,
165.0758, 136.4181

 22.9047, 29.3556,
19.2042


175.0393,
203.8979, 171.8313

 14.6435, 19.3500,
11.6396

214.6294,
248.3742, 212.8969

 8.6542, 11.9235,
6.3792

259.7797,
298.8892, 260.0337

 4.5716, 6.6916,
3.0045

310.8555,

 2.0303, 3.2700,

355.8272, 313.6600

1.0969

368.2222,
419.5725, 374.1945

■ 0.6509, 1.2743,
0.0000

■ 0.0000, 0.1211,
0.0000

■ 64.9740, 78.6908,
59.9085

■ 64.9740, 78.6908,
59.9085

■ 58.1031, 75.4276,
47.0947

■ 72.8129, 82.4079,
75.0212

■ 52.1552, 72.5905,
36.4622

■ 81.6501, 86.5852,
92.5324

■ 47.0909, 70.1642,
27.8909

■ 90.4517, 90.8033,
107.3672

■ 42.8655, 68.1286,
21.2468

■ 39.4297, 66.4616,
16.3803

■ 36.7289, 65.1386,
13.1197

■ 34.6997, 64.1316,
11.2592

■ 33.4000, 63.4772,
10.4920

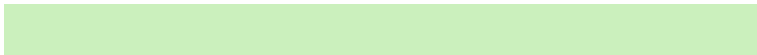
Harmonies

Analogous

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



70.9992, 78.6908, 51.7587



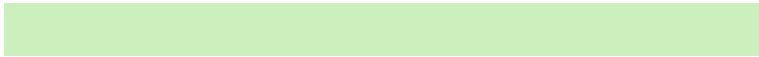
64.9740, 78.6908, 59.9085



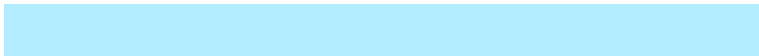
61.6916, 78.6908, 75.7856

Triad

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



64.9740, 78.6908, 59.9085



71.2532, 78.6908, 132.1684



89.5504, 78.6908, 75.0945

Complementary

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



64.9740, 78.6908, 59.9085



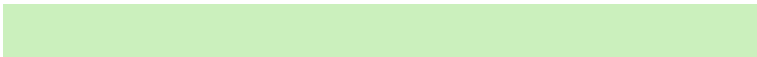
65.2931, 58.8575, 90.3615

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.



89.6298, 78.6908, 96.4021



64.9740, 78.6908, 59.9085



78.7202, 78.6908, 131.8994

Square

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



64.9740, 78.6908, 59.9085



65.1492, 78.6908, 118.6348



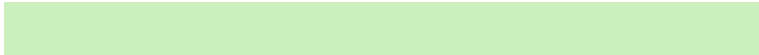
85.5551, 78.6908, 117.9519



85.3449, 78.6908, 59.4757

Rectangle

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



64.9740, 78.6908, 59.9085



61.3500, 78.6908, 89.7270



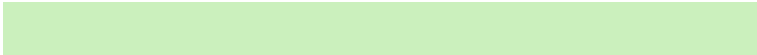
85.5551, 78.6908, 117.9519



90.0694, 78.6908, 81.7583

Sweetspot

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



64.9761, 78.6942, 59.9102



88.7170, 97.0086, 96.2532



72.1979, 76.3511, 59.0773



18.8470, 20.6967, 20.3208



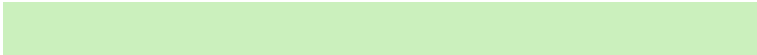
0.0000, 0.0000, 0.0000



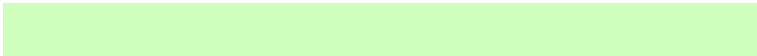
20.3446, 21.4041, 23.3091

Same Dimension

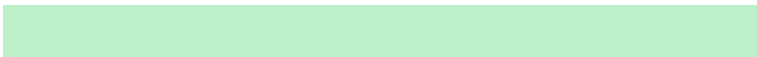
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.9761, 78.6942, 59.9102



70.6162, 88.4317, 61.3207



62.5800, 77.3150, 66.3009



15.9730, 17.8663, 16.7564



18.3924, 34.8032, 5.7483



1.6226, 2.9430, 0.4825

Inverse Universe

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



65.2931, 58.8575, 90.3615



71.0423, 61.4568, 102.7258



68.2716, 60.5769, 82.1897



16.0066, 15.8006, 19.9278



18.3154, 8.4474, 45.7930



1.6189, 0.7518, 3.8140

Previews

White Background



This preview shows how the XYZ color 64.9740, 78.6908, 59.9085 looks on a white background.

Color Contrast Check

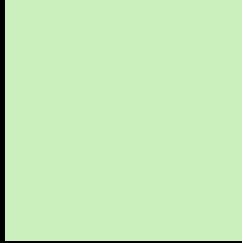
Large Text (above 18pt) WCAG AA × Fail

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 64.9740, 78.6908, 59.9085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

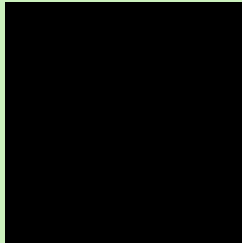
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

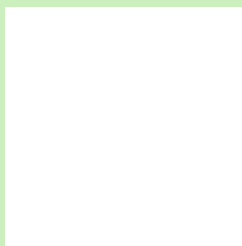
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.9740, 78.6908, 59.9085

Background



This preview shows how black text looks on a background with the XYZ color 64.9740, 78.6908, 59.9085.



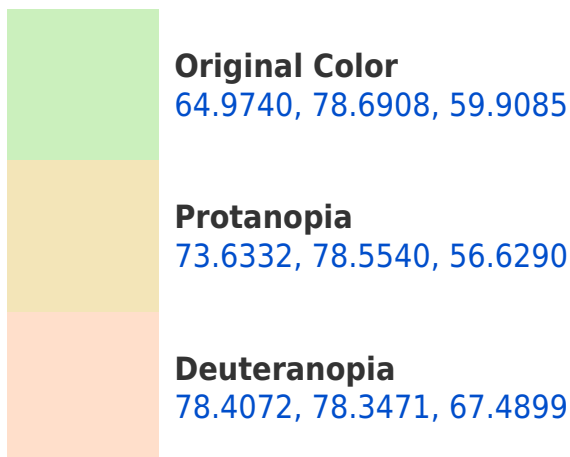
This preview shows how white text looks on a background with the XYZ color 64.9740, 78.6908,

59.9085.

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

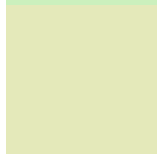
73.5525, 78.7615, 101.7683

Trichromacy



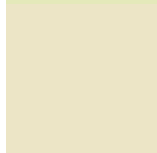
Original Color

64.9740, 78.6908, 59.9085



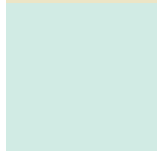
Protanomaly

69.9967, 78.3170, 57.8818



Deuteranomaly

72.8044, 77.9487, 64.6345



Tritanomaly

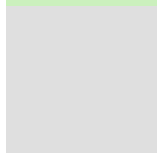
70.0064, 78.5734, 84.8752

Monochromacy



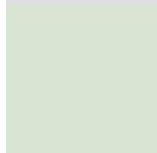
Original Color

64.9740, 78.6908, 59.9085



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

68.0961, 75.3407, 72.5812

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.9740, 78.6908, 59.9085 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(203, 240, 189)` looks like.

```
.text, #text, p{  
    color:rgb(203, 240, 189)  
}
```

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(203, 240, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 240, 189) }
```

Border

The CSS property to change the border of an element to XYZ 64.9740, 78.6908, 59.9085 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(203, 240, 189) }
```


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

```
.border{ border-color:rgb(203, 240, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 240, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 240, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 240, 189);  
box-shadow:4px 4px 4px 4px rgb(203, 240,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 64.9740, 78.6908, 59.9085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 240, 189) }
```

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

```
.background{ background-color: rgb(203,  
240, 189) }
```

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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