

Converting Colors

XYZ(58.0683, 68.9460, 64.1926)

Have a look what the booklet for
XYZ(58.0683, 68.9460, 64.1926)
contains.

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Color

**XYZ(58.2442, 69.2076,
64.3214)**

Conversions

Conversions Part 1

Format	Color
Hex	BCE2C7
RGB	188, 226, 199
RGB Percent	74%, 89%, 78%
CMY	0.2627, 0.1137, 0.2196
CMYK	0.17, 0.00, 0.12, 0.11
HSL	137°, 40%, 81%
HSV	137°, 17%, 89%
XYZ	58.2442, 69.2076, 64.3214
YIQ	211.5600, -13.9810, -16.4530

Conversions

Conversions Part 2

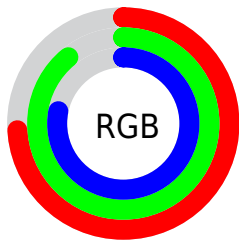
Format	Color
RYB	188, 217, 226
Decimal	12378823
CIELab	86.61, -17.58, 9.09
CIELCh	87, 19.791, 152.645
Yxy	69.2076, 0.3037, 0.3609
Android (android.graphics.Color)	4290568903 (0xFFBCE2C7)
YUV	211.5600, -6.1921, -20.6621
Hunter-Lab	83.1911, -20.6121, 12.3921

Details

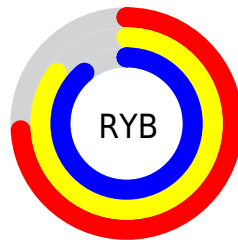
The XYZ color **58.2442, 69.2076, 64.3214** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.6155, 57.0432, 72.0561**, and the grayscale version is **62.3353, 65.5816, 71.4183**.

A 20% lighter version of the original color is **91.4662, 98.1525, 108.7323**, and **29.5053, 36.2385, 32.2277** is the 20% darker color. If you saturate the color by 10%, you get **51.3396, 65.8543, 54.7739**, and if you desaturate by 10%, it is **66.2213, 73.0949, 74.9492**.

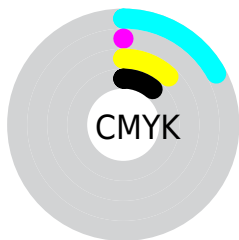
Distribution



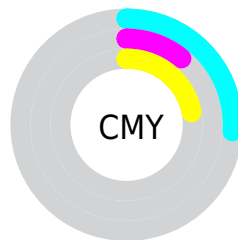
- Red (74%)
- Green (89%)
- Blue (78%)



- Red (74%)
- Yellow (85%)
- Blue (89%)



- Cyan (17%)
- Magenta (0%)
- Yellow (12%)
- Black (11%)





- Cyan (26%)
- Magenta (11%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.2442, 69.2076, 64.3214 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 58.2442, 69.2076, 64.3214 by changing the saturation by 10% instead.


 58.2442, 69.2076,
64.3214

 58.2442, 69.2076,
64.3214

408.0345,
457.7628, 458.5886

 42.2490, 50.8808,
46.4632

 101.3993,
118.0780, 112.6776

 29.4883, 36.1138,
32.2602

129.2900,
149.3905, 144.0127

 19.5967, 24.5221,
21.2938


161.8765,
185.8002, 180.6771

 12.2087, 15.7213,
13.1456

199.5242,
227.6917, 223.0894

 6.9592, 9.3272,
7.3970

242.5985,
275.4493, 271.6682

 3.4827, 4.9552,
3.6294


291.4648,

 1.4139, 2.2210,


329.4575, 326.8320


1.4243


346.4883,
390.1005, 388.9993


 0.2661, 0.7314,
0.1606


 0.0000, 0.0000,
0.0000


 58.2442, 69.2076,
64.3214


 58.2442, 69.2076,
64.3214

 51.3396, 65.8543,
54.7739


 66.2213, 73.0949,
74.9492


 45.4552, 63.0030,
46.2682

 75.3088, 77.5294,
86.6850

 40.5429, 60.6314,
38.7701

 85.2537, 82.3817,
99.5476

 36.5483, 58.7125,
32.2420

 86.4877, 82.8754,
106.0459

■ 33.4115, 57.2161,
26.6438

■ 31.0651, 56.1083,
21.9326

■ 29.4308, 55.3498,
18.0618

■ 28.4101, 54.8907,
14.9804

■ 28.1640, 54.7819,
14.1542

Harmonies

Analogous

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



61.1303, 69.2076, 56.0031



58.2442, 69.2076, 64.3214



57.3470, 69.2076, 76.5283

Triad

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



58.2442, 69.2076, 64.3214



66.1881, 69.2076, 103.5470



73.4991, 69.2076, 62.5197

Complementary

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



58.2442, 69.2076, 64.3214



61.6155, 57.0432, 72.0561

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.



75.0012, 69.2076, 74.1944



58.2442, 69.2076, 64.3214



70.6591, 69.2076, 98.7195

Square

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



58.2442, 69.2076, 64.3214



61.8049, 69.2076, 100.1233



73.9387, 69.2076, 87.5840



69.9215, 69.2076, 55.0511

Rectangle

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



58.2442, 69.2076, 64.3214



57.9618, 69.2076, 85.5179



73.9387, 69.2076, 87.5840



74.2708, 69.2076, 66.0315

Sweetspot

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



58.2461, 69.2105, 64.3229



89.0892, 97.0917, 101.1860



64.3690, 72.5093, 58.1809



18.8959, 20.6973, 21.4323



0.0000, 0.0000, 0.0000



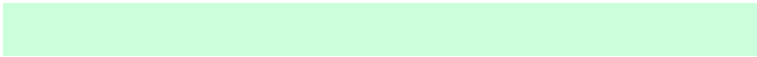
20.3446, 21.4041, 23.3091

Same Dimension

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



58.2461, 69.2105, 64.3229



73.4167, 89.4593, 80.2516



60.5620, 70.1369, 76.5183



13.6911, 15.4022, 15.4087



16.1115, 31.2695, 8.3102



1.1549, 2.1827, 0.7767

Inverse Universe

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



61.6155, 57.0432, 72.0561



78.5964, 70.7512, 92.1374



59.3398, 56.1329, 60.0725



14.1171, 13.8645, 16.3866



21.5962, 10.7055, 20.3372



1.5352, 0.7573, 1.6111

Previews

White Background



This preview shows how the XYZ color 58.2442, 69.2076, 64.3214 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 58.2442, 69.2076, 64.3214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

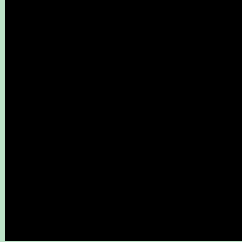
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

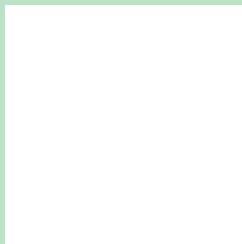
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.2442, 69.2076, 64.3214

Background



This preview shows how black text looks on a background with the XYZ color 58.2442, 69.2076, 64.3214.



This preview shows how white text looks on a background with the XYZ color 58.2442, 69.2076,

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

58.2442, 69.2076, 64.3214

Protanopia

65.3448, 69.0143, 60.9160

Deuteranopia

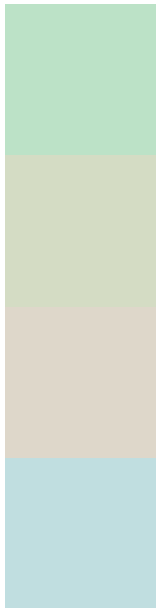
70.1979, 68.7900, 66.0779



Tritanopia

63.5315, 68.9615, 90.8514

Trichromacy



Original Color

58.2442, 69.2076, 64.3214

Protanomaly

62.7084, 69.1690, 62.2704

Deuteranomaly

65.0853, 68.3947, 65.6483

Tritanomaly

61.3140, 68.8308, 80.5751

Monochromacy



Original Color

58.2442, 69.2076, 64.3214

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

60.7039, 66.8272, 68.7310

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.2442, 69.2076, 64.3214 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(188, 226, 199)` looks like.

```
.text, #text, p{  
    color:rgb(188, 226, 199)  
}
```

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(188, 226, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 226, 199) }
```

Border

The CSS property to change the border of an element to XYZ 58.2442, 69.2076, 64.3214 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(188, 226, 199) }
```


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

```
.border{ border-color:rgb(188, 226, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 226, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 226, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 226, 199);  
box-shadow:4px 4px 4px 4px rgb(188, 226,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 58.2442, 69.2076, 64.3214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 226, 199) }
```

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

```
.background{ background-color: rgb(188,  
226, 199) }
```

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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