

# Converting Colors

XYZ(58.2470, 68.5805, 74.4574)

Have a look what the booklet for  
XYZ(58.2470, 68.5805, 74.4574)  
contains.

<b>XYZ(58.2470, 68.5805, 74.4574)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(58.2470, 68.5805,  
74.4574)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5E1D7
RGB	181, 225, 215
RGB Percent	71%, 88%, 84%
CMY	0.2902, 0.1176, 0.1569
CMYK	0.20, 0.00, 0.04, 0.12
HSL	166°, 42%, 80%
HSV	166°, 20%, 88%
XYZ	58.2470, 68.5805, 74.4574
YIQ	210.7040, -23.0140, -12.4380

# Conversions

## Conversions Part 2

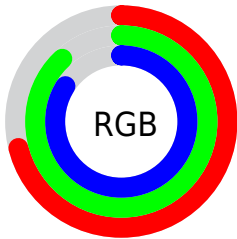
Format	Color
R <sub>Y</sub> B	181, 206, 225
Decimal	11919831
CIE Lab	86.30, -16.23, 0.17
CIE LCh	86, 16.232, 179.402
Yxy	68.5805, 0.2894, 0.3407
Android (android.graphics.Color)	4290109911 (0xFFB5E1D7)
YUV	210.7040, 2.1179, -26.0504
Hunter-Lab	82.8133, -19.3749, 4.6618

# Details

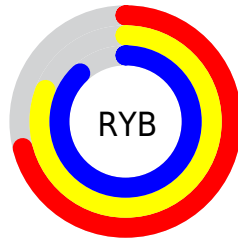
The XYZ color **58.2470, 68.5805, 74.4574** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **56.9816, 52.8187, 56.4849**, and the grayscale version is **61.7205, 64.9348, 70.7140**.

A 20% lighter version of the original color is **88.7351, 96.7445, 108.6045**, and **29.4723, 35.7995, 38.6144** is the 20% darker color. If you saturate the color by 10%, you get **52.7446, 65.8205, 70.8234**, and if you desaturate by 10%, it is **64.6259, 71.7936, 78.2426**.

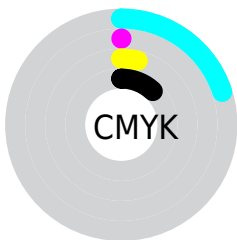
# Distribution



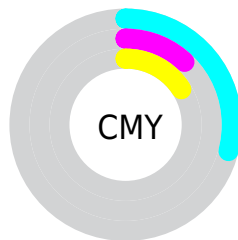
- Red (71%)
- Green (88%)
- Blue (84%)



- Red (71%)
- Yellow (81%)
- Blue (88%)



- Cyan (20%)
- Magenta (0%)
- Yellow (4%)
- Black (12%)



- Cyan (29%)
- Magenta (12%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.2470, 68.5805, 74.4574 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 58.2470, 68.5805, 74.4574 by changing the saturation by 10% instead.



■ 58.2470, 68.5805,  
74.4574

■ 58.2470, 68.5805,  
74.4574

408.0447,  
455.5500, 495.2561

■ 42.2513, 50.3701,  
54.6694

■ 101.4034,  
117.1822, 127.2840

■ 29.4901, 35.7076,  
38.7403

129.2947,  
148.3423, 161.1597

■ 19.5980, 24.2084,  
26.2515

161.8820,  
184.5879, 200.5685

■ 12.2097, 15.4883,  
16.7844

199.5306,  
226.3032, 245.9287

■ 6.9599, 9.1628,  
9.9206

242.6058,  
273.8726, 297.6591

■ 3.4831, 4.8475,  
5.2414


291.4729,

■ 1.4141, 2.1581,


327.6807, 356.1781


2.3284


346.4975,  
388.1117, 421.9042


 0.2662, 0.6970,  
0.7471


 0.0000, 0.0000,  
0.0000


 58.2470, 68.5805,  
74.4574


 58.2470, 68.5805,  
74.4574


 52.7446, 65.8205,  
70.8234


 64.6259, 71.7936,  
78.2426


 48.0719, 63.4840,  
67.3332


 71.9137, 75.4711,  
82.1771


 44.1864, 61.5511,  
63.9851

 80.1483, 79.6342,  
86.2650


 41.0394, 59.9965,  
60.7760


 83.2287, 81.1378,  
90.2219

 38.5771, 58.7926,  
57.7022


 83.9805, 81.4386,  
94.1808


 36.7376, 57.9076,  
54.7599


 84.7537, 81.7479,  
98.2527

 35.4480, 57.3037,  
51.9446

 85.5486, 82.0658,  
102.4384

 34.5869, 56.9186,  
49.2496

 86.2165, 82.3330,  
105.9555

 34.5523, 56.9033,  
49.1325

# Harmonies

## Analogous

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



59.1815, 68.5805, 64.6621



58.2470, 68.5805, 74.4574



59.1111, 68.5805, 85.2581

# Triad

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



58.2470, 68.5805, 74.4574



68.7821, 68.5805, 94.1126



68.9171, 68.5805, 58.2951

# Complementary

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



58.2470, 68.5805, 74.4574



56.9816, 52.8187, 56.4849

# 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.



71.6586, 68.5805, 65.0015



58.2470, 68.5805, 74.4574



71.5786, 68.5805, 85.6662

# Square

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



58.2470, 68.5805, 74.4574



65.1086, 68.5805, 97.2437



72.6504, 68.5805, 74.8880



65.2589, 68.5805, 55.8957



# Rectangle

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



58.2470, 68.5805, 74.4574



60.6104, 68.5805, 91.4461



72.6504, 68.5805, 74.8880



69.9815, 68.5805, 60.0867

# Sweetspot

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



58.2490, 68.5833, 74.4589



89.0884, 96.9908, 105.7243



56.8208, 68.3006, 53.9057



18.9355, 20.6929, 22.5563



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

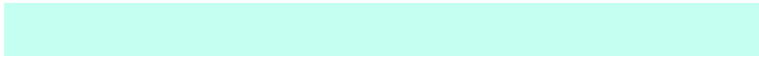


# Same Dimension

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



58.2490, 68.5833, 74.4589



74.5932, 89.6936, 97.1237



56.5101, 62.9853, 80.4165



13.9763, 15.5162, 16.9103



19.9560, 32.8073, 28.5552



1.4163, 2.2872, 2.1532



# Inverse Universe

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



56.9816, 52.8187, 56.4849



72.6523, 65.5353, 69.5862



58.4052, 57.3679, 51.7120



13.8342, 13.7513, 14.8972



18.2762, 9.3775, 2.8541

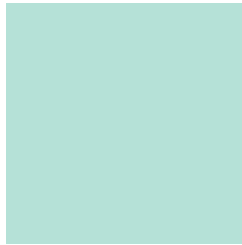


1.3007, 0.6636, 0.3766



# Previews

## White Background



This preview shows how the XYZ color 58.2470, 68.5805, 74.4574 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

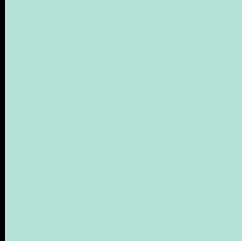
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.2470, 68.5805, 74.4574 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

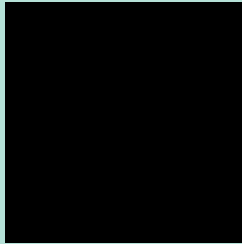
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

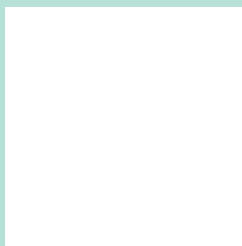
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 58.2470, 68.5805, 74.4574**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.2470, 68.5805, 74.4574.



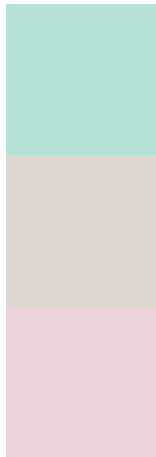
This preview shows how white text looks on a background with the XYZ color 58.2470, 68.5805,

74.4574.

# 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

58.2470, 68.5805, 74.4574

### Protanopia

65.3740, 68.0687, 70.0146

### Deuteranopia

69.7163, 68.3251, 75.8433



## Tritanopia

61.6861, 68.3840, 91.6096

# Trichromacy



## Original Color

58.2470, 68.5805, 74.4574

## Protanomaly

62.2829, 67.9678, 71.4644

## Deuteranomaly

64.8492, 68.0577, 75.3642

## Tritanomaly

60.1714, 68.1461, 84.8450

# Monochromacy



## Original Color

58.2470, 68.5805, 74.4574

## Achromatopsia

61.9161, 65.1406, 70.9381

## Achromatomaly

60.2589, 66.1446, 71.8785

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.2470, 68.5805, 74.4574 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(181, 225, 215)` looks like.

```
.text, #text, p{  
    color:rgb(181, 225, 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(181, 225, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 225, 215) }
```

## Border

The CSS property to change the border of an element to XYZ 58.2470, 68.5805, 74.4574 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(181, 225, 215) }
```



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

```
.border{ border-color:rgb(181, 225, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 225, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 225, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 225, 215);  
box-shadow:4px 4px 4px 4px rgb(181, 225,  
215) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.2470, 68.5805, 74.4574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 225, 215) }
```

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

```
.background{ background-color: rgb(181,  
225, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor