

# Converting Colors

XYZ(58.4726, 72.0653, 52.0550)

Have a look what the booklet for  
XYZ(58.4726, 72.0653, 52.0550)  
contains.

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# Color

**XYZ(58.4313, 72.0543,  
51.9025)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C0E8B0
RGB	192, 232, 176
RGB Percent	75%, 91%, 69%
CMY	0.2471, 0.0902, 0.3098
CMYK	0.17, 0.00, 0.24, 0.09
HSL	103°, 55%, 80%
HSV	103°, 24%, 91%
XYZ	58.4313, 72.0543, 51.9025
YIQ	213.6560, -5.8640, -25.8960

# Conversions

## Conversions Part 2

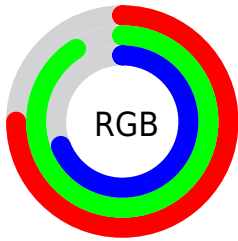
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">176, 232, 216</a>
Decimal	<a href="#">12642480</a>
CIELab	<a href="#">87.99, -23.11, 23.07</a>
CIElCh	<a href="#">88, 32.650, 135.047</a>
Yxy	<a href="#">72.0543, 0.3204, 0.3951</a>
Android (android.graphics.Color)	<a href="#">4290832560</a> ( <a href="#">0xFFC0E8B0</a> )
YUV	<a href="#">213.6560, -18.5644, -18.9923</a>
Hunter-Lab	<a href="#">84.8848, -25.6762, 23.1667</a>

# Details

The XYZ color **58.4313, 72.0543, 51.9025** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **58.4128, 51.4779, 83.2053**, and the grayscale version is **63.8105, 67.1336, 73.1085**.

A 20% lighter version of the original color is **89.3924, 97.4859, 90.4491**, and **29.5817, 37.8840, 24.4921** is the 20% darker color. If you saturate the color by 10%, you get **52.3669, 69.1731, 40.6428**, and if you desaturate by 10%, it is **65.3644, 75.3423, 65.2537**.

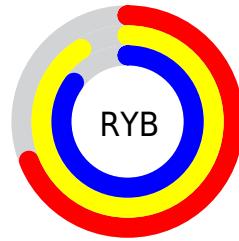
# Distribution



Red (75%)

Green (91%)

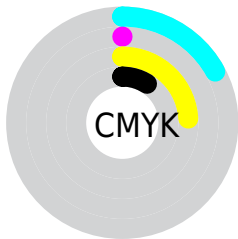
Blue (69%)



Red (69%)

Yellow (91%)

Blue (85%)

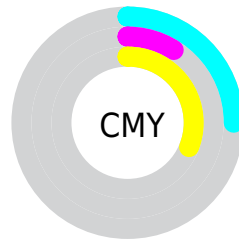


Cyan (17%)

Magenta (0%)

Yellow (24%)

Black (9%)



Cyan (25%)

Magenta (9%)


Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.4313, 72.0543, 51.9025 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 58.4313, 72.0543, 51.9025 by changing the saturation by 10% instead.





 58.4313, 72.0543,  
51.9025

 58.4313, 72.0543,  
51.9025

408.7191,  
467.7306, 411.0063

 42.4001, 53.2030,  
36.5457

 101.6700,  
122.1337, 94.4125

 29.6072, 37.9649,  
24.5629


129.6083,  
154.1307, 122.4028

 19.6872, 25.9554,  
15.5356


162.2462,  
191.2783, 155.4414

 12.2748, 16.7903,  
9.0454

199.9492,  
233.9610, 193.9466

 7.0047, 10.0851,  
4.6736

243.0827,  
282.5632, 238.3372

 3.5114, 5.4554,  
2.0017

292.0119,

 1.4296, 2.5169,


337.4693, 289.0317

0.5563


347.1023,  
399.0636, 346.4485


 0.2772, 0.8851,  
0.0000


 0.0000, 0.0000,  
0.0000


 58.4313, 72.0543,  
51.9025


 58.4313, 72.0543,  
51.9025


 52.3669, 69.1731,  
40.6428


 65.3644, 75.3423,  
65.2537


 47.1300, 66.6733,  
31.3642

 73.1939, 79.0428,  
80.7899

 42.6844, 64.5409,  
23.9531

 81.9534, 83.1732,  
98.6048

 38.9886, 62.7574,  
18.2826

 88.1481, 86.1962,  
106.5994

■ 35.9973, 61.3023,  
14.2102

■ 33.6591, 60.1530,  
11.5704

■ 31.9145, 59.2830,  
10.1620

■ 31.1236, 58.8841,  
9.7254

# Harmonies

## Analogous

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



64.6733, 72.0543, 43.9170



58.4313, 72.0543, 51.9025



55.0206, 72.0543, 67.9076

# Triad

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



58.4313, 72.0543, 51.9025



64.6962, 72.0543, 127.5750



83.9780, 72.0543, 67.8458

# Complementary

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



58.4313, 72.0543, 51.9025



58.4128, 51.4779, 83.2053

# 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.



83.9853, 72.0543, 90.0414



58.4313, 72.0543, 51.9025



72.4445, 72.0543, 127.5498

# Square

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



58.4313, 72.0543, 51.9025



58.4469, 72.0543, 112.8624



79.6314, 72.0543, 112.7990



79.6122, 72.0543, 51.8647



# Rectangle

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



58.4313, 72.0543, 51.9025



54.6337, 72.0543, 82.2861



79.6314, 72.0543, 112.7990



84.5004, 72.0543, 74.7445

# Sweetspot

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



58.4332, 72.0574, 51.9041



87.7716, 96.5646, 94.2485



65.4696, 68.9963, 50.9424



18.6581, 20.6080, 19.9166



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

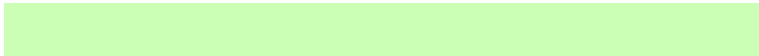


# Same Dimension

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



58.4332, 72.0574, 51.9041



68.5103, 87.4393, 57.0096



55.7544, 70.5430, 57.8052



14.5741, 16.2875, 15.2801



17.3850, 32.7438, 5.4039



1.3739, 2.4656, 0.4035



# Inverse Universe

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



58.4128, 51.4779, 83.2053



68.4745, 57.7592, 102.1474



61.8313, 53.4182, 75.3221



14.5729, 14.3976, 18.1553



16.9143, 7.7855, 42.9944

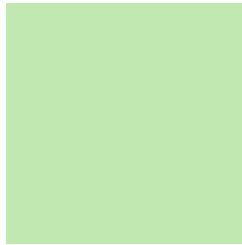


1.3402, 0.6219, 3.1814



# Previews

## White Background



This preview shows how the XYZ color 58.4313, 72.0543, 51.9025 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 58.4313, 72.0543, 51.9025 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

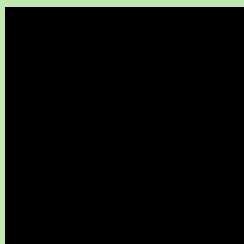
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

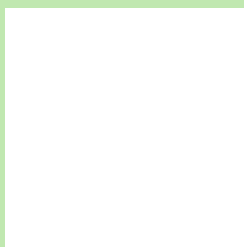
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 58.4313, 72.0543, 51.9025**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.4313, 72.0543, 51.9025.



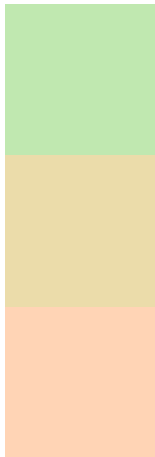
This preview shows how white text looks on a background with the XYZ color 58.4313, 72.0543,



# 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

58.4313, 72.0543, 51.9025

### Protanopia

67.1098, 71.7508, 48.3424

### Deuteranopia

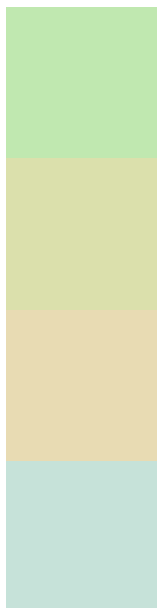
73.1240, 71.6832, 53.6982



## Tritanopia

66.6220, 71.6828, 93.5439

# Trichromacy



## Original Color

58.4313, 72.0543, 51.9025

## Protanomaly

63.3155, 71.3499, 49.4646

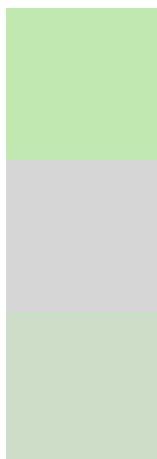
## Deuteranomaly

66.7469, 71.0735, 52.8484

## Tritanomaly

63.0094, 71.4082, 76.1079

# Monochromacy



## Original Color

58.4313, 72.0543, 51.9025

## Achromatopsia

63.9157, 67.2443, 73.2291

## Achromatomaly

61.7354, 69.0048, 64.7090

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.4313, 72.0543, 51.9025 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(192, 232, 176)` looks like.

```
.text, #text, p{  
    color:rgb(192, 232, 176)  
}
```

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(192, 232, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 232, 176) }
```

## Border

The CSS property to change the border of an element to XYZ 58.4313, 72.0543, 51.9025 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(192, 232, 176) }
```



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

```
.border{ border-color:rgb(192, 232, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 232, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 232, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 232, 176);  
box-shadow:4px 4px 4px 4px rgb(192, 232,  
176) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.4313, 72.0543, 51.9025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 232, 176) }
```

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

```
.background{ background-color: rgb(192,  
232, 176) }
```

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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