

# Converting Colors

XYZ(58.4940, 72.8978, 74.3858)

Have a look what the booklet for  
XYZ(58.4940, 72.8978, 74.3858)  
contains.

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# Color

**XYZ(58.4235, 72.8177,  
74.5943)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAEBD6
RGB	170, 235, 214
RGB Percent	67%, 92%, 84%
CMY	0.3333, 0.0784, 0.1608
CMYK	0.28, 0.00, 0.09, 0.08
HSL	161°, 62%, 79%
HSV	161°, 28%, 92%
XYZ	58.4235, 72.8177, 74.5943
YIQ	213.1710, -31.9990, -20.3110

# Conversions

## Conversions Part 2

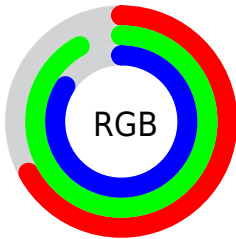
Format	Color
<a href="#">RYB</a>	<a href="#">170, 209, 235</a>
Decimal	<a href="#">11201494</a>
CIELab	<a href="#">88.36, -24.70, 3.62</a>
CIELCh	<a href="#">88, 24.967, 171.659</a>
Yxy	<a href="#">72.8177, 0.2838, 0.3538</a>
Android (android.graphics.Color)	<a href="#">4289391574 (0xFFAAEBD6)</a>
YUV	<a href="#">213.1710, 0.4087, -37.8610</a>
Hunter-Lab	<a href="#">85.3333, -27.1231, 7.9048</a>

# Details

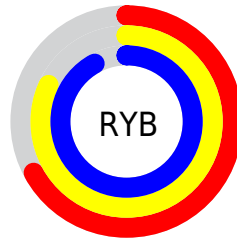
The XYZ color **58.4235, 72.8177, 74.5943** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **58.0422, 50.1752, 55.9189**, and the grayscale version is **63.3746, 66.6750, 72.6091**.

A 20% lighter version of the original color is **85.4886, 95.0709, 108.4525**, and **29.5806, 38.4564, 38.6647** is the 20% darker color. If you saturate the color by 10%, you get **52.8434, 70.0525, 69.3894**, and if you desaturate by 10%, it is **64.9610, 76.0751, 80.0831**.

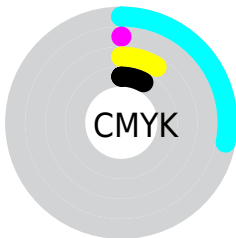
# Distribution



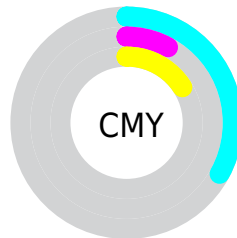
- Red (67%)
- Green (92%)
- Blue (84%)



- Red (67%)
- Yellow (82%)
- Blue (92%)



- Cyan (28%)
- Magenta (0%)
- Yellow (9%)
- Black (8%)




- Cyan (33%)
- Magenta (8%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.4235, 72.8177, 74.5943 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 58.4235, 72.8177, 74.5943 by changing the saturation by 10% instead.





 58.4235, 72.8177,  
74.5943

 58.4235, 72.8177,  
74.5943


408.6906,  
470.3827, 495.7401

 42.3938, 53.8269,  
54.7809


 101.6587,  
123.2184, 127.4797

 29.6022, 38.4633,  
38.8289


129.5950,  
155.3971, 161.3888

 19.6834, 26.3425,  
26.3198


162.2308,  
192.7405, 200.8335

 12.2721, 17.0800,  
16.8352

199.9315,  
235.6331, 246.2323

 7.0028, 10.2916,  
9.9563

243.0625,  
284.4592, 298.0039

 3.5102, 5.5927,  
5.2648

291.9891,

 1.4289, 2.5990,


339.6032, 356.5667


2.3420


347.0767,  
401.4496, 422.3392


 0.2767, 0.9262,  
0.7546


 0.0000, 0.0000,  
0.0000


 58.4235, 72.8177,  
74.5943


 58.4235, 72.8177,  
74.5943


 52.8434, 70.0525,  
69.3894


 64.9610, 76.0751,  
80.0831

 48.1656, 67.7452,  
64.4580

 72.4951, 79.8391,  
85.8562

 44.3386, 65.8716,  
59.7961

 81.0702, 84.1345,  
91.9201

 41.3030, 64.4009,  
55.3974

 87.3357, 87.2337,  
98.1212

■ 38.9917, 63.2986,  
51.2556

■ 88.5152, 87.7055,  
104.3323

■ 37.3255, 62.5241,  
47.3634

■ 88.9996, 87.8992,  
106.8832

■ 36.1982, 62.0226,  
43.7123

■ 35.9739, 61.9249,  
42.8905

# Harmonies

## Analogous

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



60.5600, 72.8177, 60.5241



58.4235, 72.8177, 74.5943



59.0436, 72.8177, 92.1021

# Triad

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



58.4235, 72.8177, 74.5943



73.5522, 72.8177, 114.0858



76.6088, 72.8177, 56.1147

# Complementary

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



58.4235, 72.8177, 74.5943



58.0422, 50.1752, 55.9189

# 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.



80.4835, 72.8177, 67.7178



58.4235, 72.8177, 74.5943



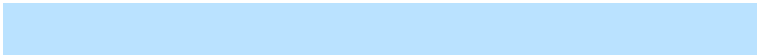
78.6490, 72.8177, 101.5726

# Square

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



58.4235, 72.8177, 74.5943



67.5528, 72.8177, 116.6296



81.2509, 72.8177, 84.1706



70.8962, 72.8177, 50.9090

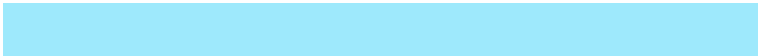


# Rectangle

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



58.4235, 72.8177, 74.5943



60.9533, 72.8177, 103.3096



81.2509, 72.8177, 84.1706



78.1828, 72.8177, 59.3093

# Sweetspot

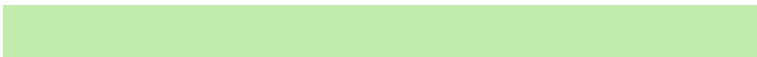
The Sweet Spot groups the original color and five complimentary colors.



58.4255, 72.8207, 74.5959



86.8958, 95.9169, 103.0735



58.6203, 73.4850, 49.1259



18.2905, 20.3757, 21.8329



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

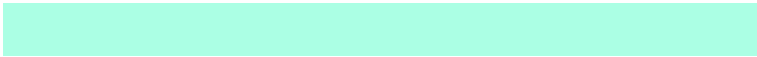


# Same Dimension

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



58.4255, 72.8207, 74.5959



66.4992, 85.7520, 86.3077



58.2757, 67.9479, 88.6445



15.2986, 17.0343, 18.2553



20.0811, 34.4869, 24.1901



1.6206, 2.7255, 2.1296



# Inverse Universe

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



58.0422, 50.1752, 55.9189



65.9722, 54.4082, 60.4748



58.0090, 53.5465, 45.3096



15.2661, 15.1343, 16.6864



19.8443, 10.1404, 4.9812

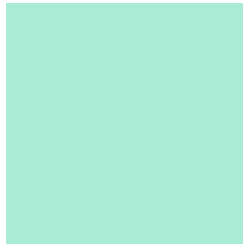


1.6008, 0.8133, 0.6154



# Previews

## White Background



This preview shows how the XYZ color 58.4235, 72.8177, 74.5943 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 58.4235, 72.8177, 74.5943 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

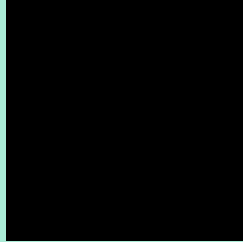
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 58.4235, 72.8177, 74.5943**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.4235, 72.8177, 74.5943.



This preview shows how white text looks on a background with the XYZ color 58.4235, 72.8177,



# 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

58.4235, 72.8177, 74.5943

### Protanopia

68.7287, 72.1366, 68.6939

### Deuteranopia

73.6636, 72.2098, 76.3851



## Tritanopia

63.3716, 72.7181, 99.5029

# Trichromacy



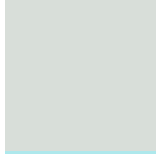
## Original Color

58.4235, 72.8177, 74.5943



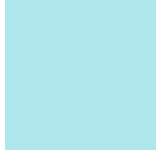
## Protanomaly

64.1660, 71.7193, 70.7829



## Deuteranomaly

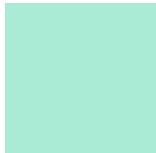
66.9646, 71.8512, 75.9849



## Tritanomaly

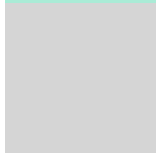
61.4525, 72.7680, 90.1636

# Monochromacy



## Original Color

58.4235, 72.8177, 74.5943



## Achromatopsia

63.2451, 66.5387, 72.4607



## Achromatomaly

60.8926, 68.3873, 72.9415

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.4235, 72.8177, 74.5943 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(170, 235, 214)` looks like.

```
.text, #text, p{  
    color:rgb(170, 235, 214)  
}
```

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(170, 235, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 235, 214) }
```

## Border

The CSS property to change the border of an element to XYZ 58.4235, 72.8177, 74.5943 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(170, 235, 214) }
```



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

```
.border{ border-color:rgb(170, 235, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 235, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 235, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 235, 214);  
box-shadow:4px 4px 4px 4px rgb(170, 235,  
214) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.4235, 72.8177, 74.5943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 235, 214) }
```

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

```
.background{ background-color: rgb(170,  
235, 214) }
```

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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