

Converting Colors

XYZ(58.3972, 71.9047, 10.8011)

Have a look what the booklet for
XYZ(58.3972, 71.9047, 10.8011)
contains.

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Color

**XYZ(58.4210, 72.1232,
10.8421)**

Conversions

Conversions Part 1

Format	Color
Hex	DEE600
RGB	222, 230, 0
RGB Percent	87%, 90%, 0%
CMY	0.1294, 0.0980, 0.9999
CMYK	0.03, 0.00, 1.00, 0.10
HSL	62°, 100%, 45%
HSV	62°, 100%, 90%
XYZ	58.4210, 72.1232, 10.8421
YIQ	201.3880, 69.0620, -73.2260

Conversions

Conversions Part 2

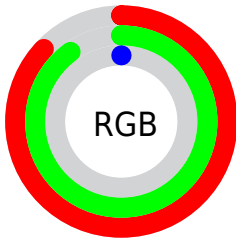
Format	Color
RYB	0, 230, 8
Decimal	14607872
CIELab	88.03, -23.27, 86.66
CIELCh	88, 89.729, 105.033
Yxy	72.1232, 0.4132, 0.5101
Android (android.graphics.Color)	4292797952 (0xFFDEE600)
YUV	201.3880, -99.2843, 18.0767
Hunter-Lab	84.9254, -25.8275, 51.8784

Details

The XYZ color **58.4210, 72.1232, 10.8421** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **14.3848, 5.7661, 75.2222**, and the grayscale version is **56.3300, 59.2635, 64.5380**.

A 20% lighter version of the original color is **78.8455, 93.5182, 23.5681**, and **30.2303, 38.3413, 5.8073** is the 20% darker color. If you saturate the color by 10%, you get **58.4221, 72.1263, 10.8426**, and if you desaturate by 10%, it is **58.8233, 72.3152, 11.6703**.

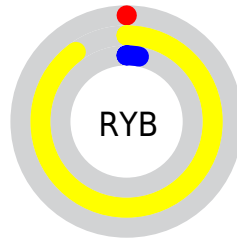
Distribution



Red (87%)

Green (90%)

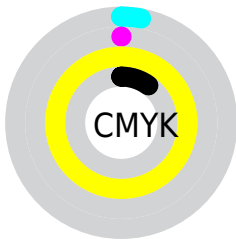
Blue (0%)



Red (0%)

Yellow (90%)

Blue (3%)

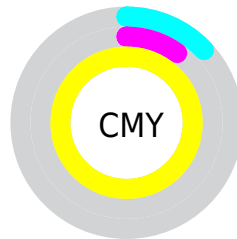


Cyan (3%)

Magenta (0%)

Yellow (100%)

Black (10%)



Cyan (13%)


Magenta (10%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.4210, 72.1232, 10.8421 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 58.4210, 72.1232, 10.8421 by changing the saturation by 10% instead.


 58.4210, 72.1232,
10.8421

 58.4210, 72.1232,
10.8421


408.6815,
467.9703, 207.2794


 42.3918, 53.2593,
5.8479


 101.6551,
122.2317, 28.0000

 29.6006, 38.0098,
2.6855


 129.5907,
154.2451, 41.0008


 19.6822, 25.9903,
0.9361


 162.2259,
191.4104, 57.5075

 12.2712, 16.8164,
0.0000

 199.9258,
234.1121, 77.9388

 7.0022, 10.1037,
0.0000

 243.0560,
282.7345, 102.7130

 3.5098, 5.4678,
0.0000

 291.9818,

 1.4287, 2.5242,

337.6621, 132.2489

0.0000

347.0685,
399.2792, 166.9648

■ 0.2766, 0.8887,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.4210, 72.1232,
10.8421

■ 58.4210, 72.1232,
10.8421

■ 58.4221, 72.1263,
10.8426

■ 58.8233, 72.3152,
11.6703

■ 59.4092, 72.5781,
13.4661

■ 60.2389, 72.9387,
16.5396

■ 61.3463, 73.4105,
21.0698

■ 62.7602, 74.0049,
27.2073

■ 64.5054, 74.7321,
35.0838

■ 66.6045, 75.6010,
44.8177

■ 69.0780, 76.6197,
56.5168

■ 71.9448, 77.7959,
70.2807

Harmonies

Analogous

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



79.7378, 72.1232, 10.8326



58.4210, 72.1232, 10.8421



43.3620, 72.1232, 21.2154

Triad

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



58.4210, 72.1232, 10.8421



43.3870, 72.1232, 194.9164



116.4896, 72.1232, 113.0702

Complementary

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



58.4210, 72.1232, 10.8421



14.3848, 5.7661, 75.2222

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.



101.9847, 72.1232, 194.7387



58.4210, 72.1232, 10.8421



58.4626, 72.1232, 256.2878

Square

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



58.4210, 72.1232, 10.8421



35.9924, 72.1232, 113.2391



79.7890, 72.1232, 256.2097



116.4719, 72.1232, 51.7545

Rectangle

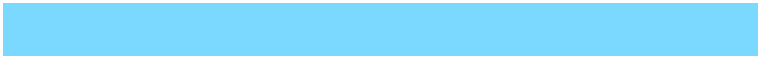
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.4210, 72.1232, 10.8421



37.6019, 72.1232, 38.5476



79.7890, 72.1232, 256.2097



113.0360, 72.1232, 139.5220

Sweetspot

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



58.4226, 72.1266, 10.8436



84.1131, 95.5128, 56.3858



32.7188, 16.9912, 1.5561



17.7516, 20.3395, 10.8934



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.



58.4226, 72.1266, 10.8436



73.8087, 91.1348, 13.7007



34.4048, 59.7449, 9.7196



15.5494, 16.7903, 15.3258



33.0960, 40.8431, 6.1392



2.4613, 3.0262, 0.4544

Inverse Universe

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



14.3848, 5.7661, 75.2222



18.1611, 7.2773, 95.0552



22.4076, 9.9020, 75.5977



13.6290, 13.9110, 18.1111



8.1640, 3.2746, 42.5849



0.6198, 0.2505, 3.1476

Previews

White Background



This preview shows how the XYZ color 58.4210, 72.1232, 10.8421 looks on a white background.

Color Contrast Check

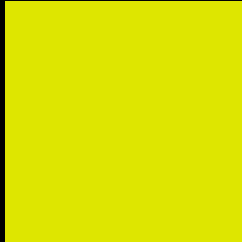
Large Text (above 18pt) WCAG AA × Fail

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 58.4210, 72.1232, 10.8421 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 58.4210, 72.1232, 10.8421

Background



This preview shows how black text looks on a background with the XYZ color 58.4210, 72.1232, 10.8421.



This preview shows how white text looks on a background with the XYZ color 58.4210, 72.1232,

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

58.4210, 72.1232, 10.8421

Protanopia

64.9234, 71.8526, 10.4471

Deuteranopia

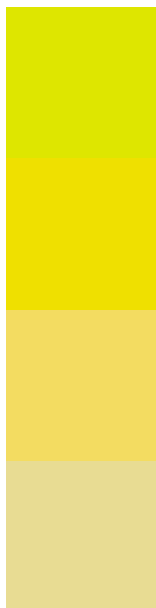
71.0363, 71.6530, 40.2234



Tritanopia

73.7303, 72.0398, 85.6204

Trichromacy



Original Color

58.4210, 72.1232, 10.8421

Protanomaly

62.2523, 71.6620, 10.5511

Deuteranomaly

64.7130, 71.1042, 21.6230

Tritanomaly

64.1384, 70.4488, 37.8213

Monochromacy



Original Color

58.4210, 72.1232, 10.8421

Achromatopsia

55.5167, 58.4078, 63.6061

Achromatomaly

53.7343, 62.2008, 29.5959

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.4210, 72.1232, 10.8421 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(222, 230, 0)` looks like.

```
.text, #text, p{  
    color:rgb(222, 230, 0)  
}
```

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(222, 230, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 230, 0) }
```

Border

The CSS property to change the border of an element to XYZ 58.4210, 72.1232, 10.8421 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(222, 230, 0) }
```


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

```
.border{ border-color:rgb(222, 230, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 230, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 230, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 230, 0);  
box-shadow:4px 4px 4px 4px rgb(222, 230,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 58.4210, 72.1232, 10.8421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 230, 0) }
```

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

```
.background{ background-color: rgb(222,  
230, 0) }
```

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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