

Converting Colors

XYZ(58.1244, 70.5249, 10.5492)

Have a look what the booklet for
XYZ(58.1244, 70.5249, 10.5492)
contains.

XYZ(57.9368, 70.2400, 10.5041)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(57.9368, 70.2400,
10.5041)**

Conversions

Conversions Part 1

Format	Color
Hex	E0E200
RGB	224, 226, 0
RGB Percent	88%, 89%, 0%
CMY	0.1216, 0.1137, 0.9999
CMYK	0.01, 0.00, 1.00, 0.11
HSL	61°, 100%, 44%
HSV	61°, 100%, 89%
XYZ	57.9368, 70.2400, 10.5041
YIQ	199.6380, 71.3540, -70.7100

Conversions

Conversions Part 2

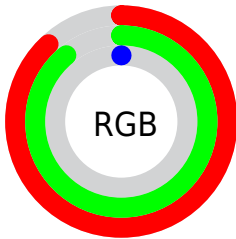
Format	Color
RYB	0, 226, 2
Decimal	14737920
CIELab	87.11, -20.51, 86.06
CIELCh	87, 88.468, 103.408
Yxy	70.2400, 0.4178, 0.5065
Android (android.graphics.Color)	4292928000 (0xFFE0E200)
YUV	199.6380, -98.4215, 21.3655
Hunter-Lab	83.8093, -23.2705, 51.2355

Details

The XYZ color **57.9368, 70.2400, 10.5041** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **13.7542, 5.5052, 72.2936**, and the grayscale version is **55.2363, 58.1128, 63.2849**.

A 20% lighter version of the original color is **78.8455, 93.5182, 23.5681**, and **29.8728, 37.0183, 5.5708** is the 20% darker color. If you saturate the color by 10%, you get **57.9381, 70.2432, 10.5046**, and if you desaturate by 10%, it is **58.1515, 70.3357, 11.3027**.

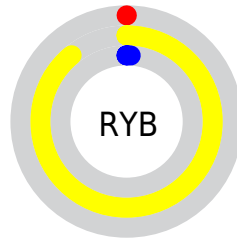
Distribution



Red (88%)

Green (89%)

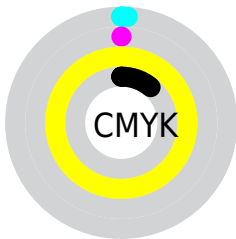
Blue (0%)



Red (0%)

Yellow (89%)

Blue (1%)

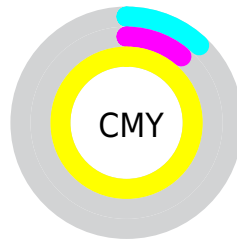


Cyan (1%)

Magenta (0%)

Yellow (100%)

Black (11%)



Cyan (12%)


Magenta (11%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.9368, 70.2400, 10.5041 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 57.9368, 70.2400, 10.5041 by changing the saturation by 10% instead.


 57.9368, 70.2400,
10.5041


 57.9368, 70.2400,
10.5041

406.9081,
461.3922, 204.8468


 42.0009, 51.7222,
5.6245


 100.9543,
119.5509, 27.3619

 29.2931, 36.7837,
2.5531


 128.7666,
151.1129, 40.1773


 19.4481, 25.0401,
0.8681

 161.2685,
187.7917, 56.4749

 12.1004, 16.1069,
0.0000

 198.8252,
229.9717, 76.6734

 6.8848, 9.5998,
0.0000

 241.8022,
278.0374, 101.1913

 3.4358, 5.1345,
0.0000

 290.5648,

 1.3882, 2.3264,

332.3731, 130.4471

0.0000

345.4783,
393.3633, 164.8595

■ 0.2478, 0.7876,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 57.9368, 70.2400,
10.5041

■ 57.9368, 70.2400,
10.5041

■ 57.9381, 70.2432,
10.5046

■ 58.1515, 70.3357,
11.3027

■ 58.5410, 70.4987,
13.0283

■ 59.1635, 70.7549,
15.9810

■ 60.0517, 71.1174,
20.3319

■ 61.2328, 71.5971,
26.2253

■ 62.7309, 72.2036,
33.7872

■ 64.5674, 72.9454,
43.1310

■ 66.7620, 73.8305,
54.3601

■ 69.3328, 74.8661,
67.5697

Harmonies

Analogous

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



78.8040, 70.2400, 10.9472



57.9368, 70.2400, 10.5041



42.9420, 70.2400, 19.9073

Triad

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



57.9368, 70.2400, 10.5041



41.7856, 70.2400, 184.8253



112.7184, 70.2400, 113.9335

Complementary

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



57.9368, 70.2400, 10.5041



13.7542, 5.5052, 72.2936

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.



98.0745, 70.2400, 193.0209



57.9368, 70.2400, 10.5041



56.0121, 70.2400, 246.3747

Square

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



57.9368, 70.2400, 10.5041



35.0058, 70.2400, 106.1270



76.4386, 70.2400, 249.9730



113.5331, 70.2400, 52.9418

Rectangle

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



57.9368, 70.2400, 10.5041



37.0811, 70.2400, 35.9111



76.4386, 70.2400, 249.9730



109.1313, 70.2400, 139.8159

Sweetspot

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



57.9384, 70.2433, 10.5055



84.8367, 95.8858, 56.4196



31.3665, 16.1705, 1.4689



17.9281, 20.4305, 10.9016



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.



57.9384, 70.2433, 10.5055



76.1716, 92.3530, 13.8112



34.0107, 57.9081, 9.3857



14.8591, 16.0231, 14.6164



33.0575, 40.0743, 5.9928



2.2953, 2.7798, 0.4156

Inverse Universe

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



13.7542, 5.5052, 72.2936



18.0784, 7.2346, 95.0513



20.5411, 9.0040, 72.6112



12.9633, 13.2491, 17.2618



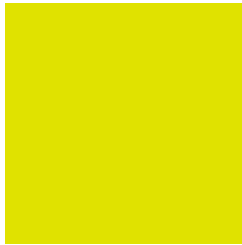
7.8511, 3.1427, 41.2412



0.5482, 0.2199, 2.8588

Previews

White Background



This preview shows how the XYZ color 57.9368, 70.2400, 10.5041 looks on a white background.

Color Contrast Check

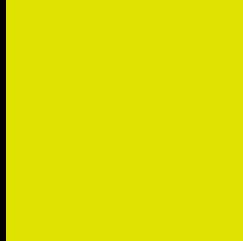
Large Text (above 18pt) WCAG AA × Fail

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 57.9368, 70.2400, 10.5041 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 57.9368, 70.2400, 10.5041

Background



This preview shows how black text looks on a background with the XYZ color 57.9368, 70.2400, 10.5041.

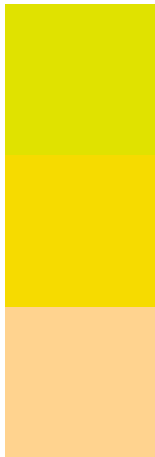


This preview shows how white text looks on a background with the XYZ color 57.9368, 70.2400,

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

57.9368, 70.2400, 10.5041

Protanopia

63.3376, 70.2559, 10.2225

Deuteranopia

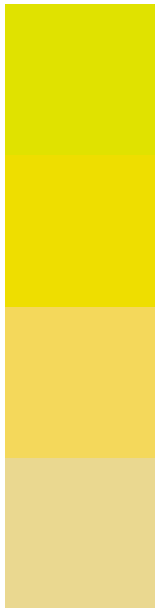
69.4922, 69.8317, 35.8028



Tritanopia

72.3707, 69.9349, 81.6359

Trichromacy



Original Color

57.9368, 70.2400, 10.5041

Protanomaly

61.3812, 70.4197, 10.3572

Deuteranomaly

63.7524, 69.1002, 19.8751

Tritanomaly

63.5216, 68.6178, 36.2822

Monochromacy



Original Color

57.9368, 70.2400, 10.5041

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

52.9257, 60.6885, 29.0033

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.9368, 70.2400, 10.5041 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(224, 226, 0)` looks like.

```
.text, #text, p{  
    color:rgb(224, 226, 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(224, 226, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 226, 0) }
```

Border

The CSS property to change the border of an element to XYZ 57.9368, 70.2400, 10.5041 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(224, 226, 0) }
```


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

```
.border{ border-color:rgb(224, 226, 0) }
```

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

Here you see how a box with a 4 pixel rgb(224, 226, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 226, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 226, 0);  
box-shadow:4px 4px 4px 4px rgb(224, 226,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 57.9368, 70.2400, 10.5041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 226, 0) }
```

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

```
.background{ background-color: rgb(224,  
226, 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](#).

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