

# Converting Colors

XYZ(52.0108, 70.0264, 12.6946)

Have a look what the booklet for  
XYZ(52.0108, 70.0264, 12.6946)  
contains.

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# Color

**XYZ(52.0108, 70.0264,  
12.6946)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3E927
RGB	195, 233, 39
RGB Percent	76%, 91%, 15%
CMY	0.2353, 0.0863, 0.8470
CMYK	0.16, 0.00, 0.83, 0.09
HSL	72°, 82%, 53%
HSV	72°, 83%, 91%
XYZ	52.0108, 70.0264, 12.6946
YIQ	199.5220, 39.6260, -68.3900

# Conversions

## Conversions Part 2

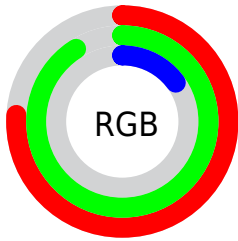
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">39, 233, 77</a>
Decimal	<a href="#">12839207</a>
CIELab	<a href="#">87.01, -35.04, 79.90</a>
CIELCh	<a href="#">87, 87.244, 113.681</a>
Yxy	<a href="#">70.0264, 0.3860, 0.5197</a>
Android (android.graphics.Color)	<a href="#">4291029287 (0xFFC3E927)</a>
YUV	<a href="#">199.5220, -79.1373, -3.9658</a>
Hunter-Lab	<a href="#">83.6818, -35.4999, 49.5829</a>

# Details

The XYZ color **52.0108, 70.0264, 12.6946** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **18.4965, 8.9137, 77.8406**, and the grayscale version is **55.0618, 57.9294, 63.0851**.

A 20% lighter version of the original color is **79.5498, 93.7999, 27.2771**, and **25.8755, 36.6785, 5.7159** is the 20% darker color. If you saturate the color by 10%, you get **50.5758, 69.3207, 11.1935**, and if you desaturate by 10%, it is **53.7218, 70.8517, 15.4466**.

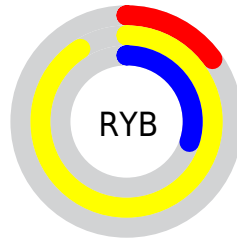
# Distribution



Red (76%)

Green (91%)

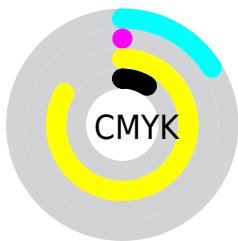
Blue (15%)



Red (15%)

Yellow (91%)

Blue (30%)

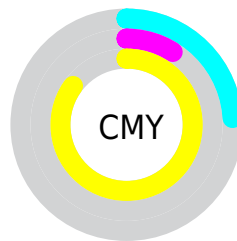


Cyan (16%)

Magenta (0%)

Yellow (83%)

Black (9%)



Cyan (24%)

Magenta (9%)


Yellow (85%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.0108, 70.0264, 12.6946 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 52.0108, 70.0264, 12.6946 by changing the saturation by 10% instead.





 52.0108, 70.0264,  
12.6946

 52.0108, 70.0264,  
12.6946


384.8016,  
460.6427, 220.0897

 37.2380, 51.5481,  
7.0903


 92.3213, 119.2464,  
31.4371

 25.5663, 36.6450,  
3.4394


 118.5897,  
150.7569, 45.4125


 16.6305, 24.9327,  
1.3231

 149.4207,  
187.3801, 63.0152

 10.0650, 16.0269,  
0.0806

 185.1796,  
229.5006, 84.6640

 5.5047, 9.5432,  
0.0000

 226.2318,  
277.5027, 110.7773

 2.5841, 5.0972,  
0.0000

272.9426,

 0.9379, 2.3044,

331.7709, 141.7736

0.0000

325.6774,  
392.6894, 178.0716

■ 0.0000, 0.7760,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 52.0108, 70.0264,  
12.6946

■ 52.0108, 70.0264,  
12.6946

■ 50.5758, 69.3207,  
11.1935

■ 53.7218, 70.8517,  
15.4466

■ 49.7214, 68.8908,  
10.6767

■ 55.7419, 71.8023,  
19.6436

■ 58.1041, 72.8940,  
25.4507

■ 60.8357, 74.1377,  
33.0098

■ 63.9609, 75.5431,  
42.4470

■ 67.5018, 77.1192,  
53.8769

■ 71.4786, 78.8740,  
67.4050

■ 75.9104, 80.8152,  
83.1292

■ 80.8148, 82.9499,  
101.1415

# Harmonies

## Analogous

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



70.9706, 70.0264, 10.2189



52.0108, 70.0264, 12.6946



39.6864, 70.0264, 27.1802

# Triad

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



52.0108, 70.0264, 12.6946



45.9195, 70.0264, 207.3438



113.6658, 70.0264, 89.2956

# Complementary

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



52.0108, 70.0264, 12.6946



18.4965, 8.9137, 77.8406

# 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.



103.4393, 70.0264, 164.0400



52.0108, 70.0264, 12.6946



62.3322, 70.0264, 251.3317

# Square

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



52.0108, 70.0264, 12.6946



36.7050, 70.0264, 130.8665



83.5924, 70.0264, 232.3853



109.3424, 70.0264, 39.4353



# Rectangle

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



52.0108, 70.0264, 12.6946



35.5585, 70.0264, 48.8310



83.5924, 70.0264, 232.3853



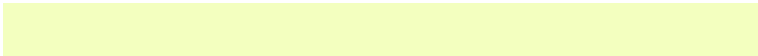
111.7587, 70.0264, 112.3789

# Sweetspot

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



52.0124, 70.0296, 12.6961



81.9850, 94.2603, 63.3076



36.4599, 22.4460, 4.3312



17.2144, 20.0272, 12.4647



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.



52.0124, 70.0296, 12.6961



60.9485, 84.5051, 13.0988



34.8115, 61.1622, 11.8911



16.0460, 17.4693, 16.0449



28.3136, 39.1407, 6.0626



2.2971, 3.1115, 0.4795



# Inverse Universe

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



18.4965, 8.9137, 77.8406



19.3633, 7.8970, 95.1115



32.3545, 16.0577, 78.4892



14.5067, 14.6910, 18.9933



9.0548, 3.7039, 43.9806



0.7867, 0.3299, 3.4571



# Previews

## White Background



This preview shows how the XYZ color 52.0108, 70.0264, 12.6946 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 52.0108, 70.0264, 12.6946 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

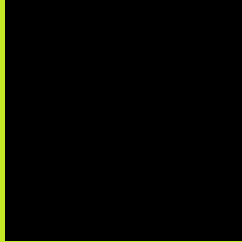
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 52.0108, 70.0264, 12.6946**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.0108, 70.0264, 12.6946.



This preview shows how white text looks on a background with the XYZ color 52.0108, 70.0264,



# 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

52.0108, 70.0264, 12.6946

### Protanopia

63.0310, 69.6766, 11.7170

### Deuteranopia

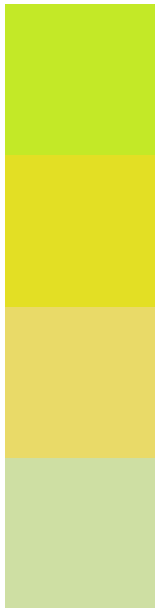
69.0943, 69.2763, 34.9293



## Tritanopia

67.1047, 69.7124, 87.7609

# Trichromacy



## Original Color

52.0108, 70.0264, 12.6946

## Protanomaly

58.3847, 69.2336, 11.9553

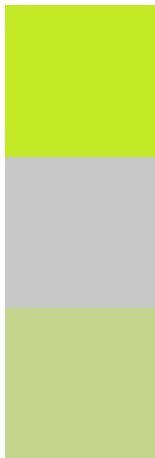
## Deuteranomaly

61.1744, 68.4659, 23.0877

## Tritanomaly

58.4521, 68.5415, 44.7994

# Monochromacy



## Original Color

52.0108, 70.0264, 12.6946

## Achromatopsia

54.8990, 57.7580, 62.8985

## Achromatomaly

51.6399, 61.0158, 34.2548

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.0108, 70.0264, 12.6946 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(195, 233, 39)` looks like.

```
.text, #text, p{  
    color:rgb(195, 233, 39)  
}
```

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(195, 233, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 233, 39) }
```

## Border

The CSS property to change the border of an element to XYZ 52.0108, 70.0264, 12.6946 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(195, 233, 39) }
```



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

```
.border{ border-color:rgb(195, 233, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 233, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 233, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 233, 39);  
box-shadow:4px 4px 4px 4px rgb(195, 233,  
39) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.0108, 70.0264, 12.6946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 233, 39) }
```

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

```
.background{ background-color: rgb(195,  
233, 39) }
```

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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