

Converting Colors

XYZ(40.9217, 60.6037, 12.4475)

Have a look what the booklet for
XYZ(40.9217, 60.6037, 12.4475)
contains.

XYZ(40.9203, 60.6010, 12.4462)	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(40.9203, 60.6010,
12.4462)**

Conversions

Conversions Part 1

Format	Color
Hex	9CE031
RGB	156, 224, 49
RGB Percent	61%, 88%, 19%
CMY	0.3882, 0.1215, 0.8078
CMYK	0.30, 0.00, 0.78, 0.12
HSL	83°, 74%, 54%
HSV	83°, 78%, 88%
XYZ	40.9203, 60.6010, 12.4462
YIQ	183.7180, 15.6470, -68.8410

Conversions

Conversions Part 2

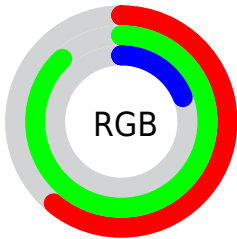
Format	Color
RYB	49, 224, 117
Decimal	10281009
CIELab	82.16, -45.57, 72.18
CIELCh	82, 85.367, 122.266
Yxy	60.6010, 0.3591, 0.5317
Android (android.graphics.Color)	4288471089 (0xFF9CE031)
YUV	183.7180, -66.4160, -24.3087
Hunter-Lab	77.8466, -42.4026, 45.0133

Details

The XYZ color **40.9203, 60.6010, 12.4462** is a dark color, and the websafe version is hex **99CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **21.8919, 11.3623, 71.5639**, and the grayscale version is **45.7549, 48.1377, 52.4220**.

A 20% lighter version of the original color is **66.5446, 87.0712, 27.7671**, and **19.0396, 30.6019, 4.9033** is the 20% darker color. If you saturate the color by 10%, you get **38.9358, 59.6216, 10.4693**, and if you desaturate by 10%, it is **43.2631, 61.7419, 15.6674**.

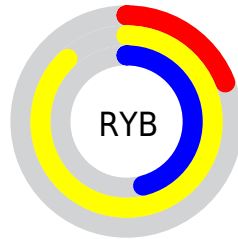
Distribution



Red (61%)

Green (88%)

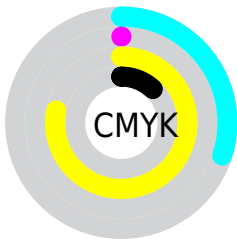
Blue (19%)



Red (19%)

Yellow (88%)

Blue (46%)

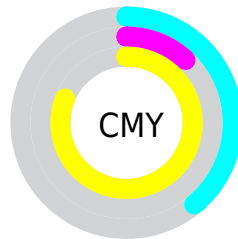


Cyan (30%)

Magenta (0%)

Yellow (78%)

Black (12%)



Cyan (39%)

Magenta (12%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.9203, 60.6010, 12.4462 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 40.9203, 60.6010, 12.4462 by changing the saturation by 10% instead.


 40.9203, 60.6010,
12.4462


 40.9203, 60.6010,
12.4462


341.0557,
426.8095, 218.4190

 28.4442, 43.9032,
6.9221


 75.8384, 105.7010,
30.9817


 18.8029, 30.5944,
3.3357


 99.0110, 134.8720,
44.8301


 11.6311, 20.2902,
1.2685


 126.4800,
168.9696, 62.2904

 6.5634, 12.6062,
0.0358

 158.6105,
208.3781, 83.7812

 3.2345, 7.1579,
0.0000

 195.7680,
253.4820, 109.7209

 1.2790, 3.5611,
0.0000

238.3178,

 0.1674, 1.4312,

304.6656, 140.5280

0.0000

286.6252,
362.3133, 176.6212

■ 0.0000, 0.2395,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.9203, 60.6010,
12.4462

■ 40.9203, 60.6010,
12.4462

■ 38.9358, 59.6216,
10.4693

■ 43.2631, 61.7419,
15.6674

■ 37.2590, 58.7769,
9.5021

■ 45.9931, 63.0497,
20.2905

■ 36.9660, 58.6285,
9.3681

■ 49.1401, 64.5389,
26.4543

■ 52.7293, 66.2197,
34.2795

■ 56.7836, 68.1016,
43.8752

■ 61.3242, 70.1933,
55.3409

■ 66.3706, 72.5028,
68.7689

■ 71.9413, 75.0378,
84.2453

■ 78.0536, 77.8055,
101.8510

Harmonies

Analogous

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



56.2319, 60.6010, 8.0518



40.9203, 60.6010, 12.4462



31.9239, 60.6010, 29.5727

Triad

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



40.9203, 60.6010, 12.4462



42.8510, 60.6010, 199.6855



99.9301, 60.6010, 62.1143

Complementary

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



40.9203, 60.6010, 12.4462



21.8919, 11.3623, 71.5639

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.



94.2961, 60.6010, 124.2085



40.9203, 60.6010, 12.4462



58.9890, 60.6010, 224.4814

Square

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



40.9203, 60.6010, 12.4462



32.8632, 60.6010, 134.9282



78.2879, 60.6010, 191.5387



92.3941, 60.6010, 25.7460

Rectangle

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



40.9203, 60.6010, 12.4462



29.4996, 60.6010, 53.4392



78.2879, 60.6010, 191.5387



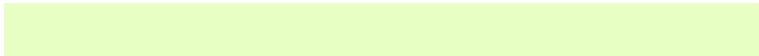
99.5122, 60.6010, 80.3532

Sweetspot

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



40.9217, 60.6037, 12.4475



79.1100, 92.7121, 66.1594



37.5524, 28.5815, 6.4442



16.4681, 19.6299, 13.0004



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.



40.9217, 60.6037, 12.4475



50.7182, 79.2210, 13.0813



29.6960, 54.8166, 11.9222



14.3291, 15.7498, 14.5916



21.6482, 34.1926, 5.4588



1.5999, 2.4213, 0.3830

Inverse Universe

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



21.8919, 11.3623, 71.5639



24.4643, 10.7866, 95.4004



39.3431, 20.3587, 72.3806



13.4533, 13.5017, 17.2847



10.2417, 4.3751, 41.3530



0.8081, 0.3539, 2.8710

Previews

White Background



This preview shows how the XYZ color 40.9203, 60.6010, 12.4462 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 40.9203, 60.6010, 12.4462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

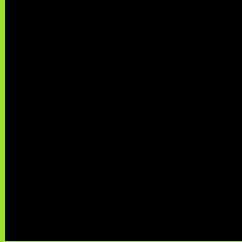
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.9203, 60.6010, 12.4462

Background



This preview shows how black text looks on a background with the XYZ color 40.9203, 60.6010, 12.4462.



This preview shows how white text looks on a background with the XYZ color 40.9203, 60.6010,

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

40.9203, 60.6010, 12.4462

Protanopia

54.3606, 60.0256, 11.1039

Deuteranopia

61.2072, 59.7588, 13.0113



Tritanopia

54.5225, 60.3843, 80.0159

Trichromacy



Original Color

40.9203, 60.6010, 12.4462



Protanomaly

48.1445, 59.3423, 11.5015



Deuteranomaly

51.5700, 58.5513, 12.5865



Tritanomaly

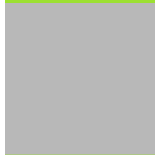
46.8418, 59.1014, 42.6571

Monochromacy



Original Color

40.9203, 60.6010, 12.4462



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

42.2522, 51.5948, 30.6535

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9203, 60.6010, 12.4462 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(156, 224, 49)` looks like.

```
.text, #text, p{  
    color:rgb(156, 224, 49)  
}
```

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(156, 224, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 224, 49) }
```

Border

The CSS property to change the border of an element to XYZ 40.9203, 60.6010, 12.4462 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(156, 224, 49) }
```


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

```
.border{ border-color:rgb(156, 224, 49) }
```

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

Here you see how a box with a 4 pixel rgb(156, 224, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 224, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 224, 49);  
box-shadow:4px 4px 4px 4px rgb(156, 224,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9203, 60.6010, 12.4462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 224, 49) }
```

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

```
.background{ background-color: rgb(156,  
224, 49) }
```

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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