

Converting Colors

XYZ(60.9253, 59.9958, 10.4488)

Have a look what the booklet for
XYZ(60.9253, 59.9958, 10.4488)
contains.

XYZ(60.9320, 60.0037, 10.4682)	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(60.9320, 60.0037,
10.4682)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC229
RGB	255, 194, 41
RGB Percent	100%, 76%, 16%
CMY	0.0000, 0.2392, 0.8392
CMYK	0.00, 0.24, 0.84, 0.00
HSL	43°, 100%, 58%
HSV	43°, 84%, 100%
XYZ	60.9320, 60.0037, 10.4682
YIQ	194.7970, 85.4690, -34.6510

Conversions

Conversions Part 2

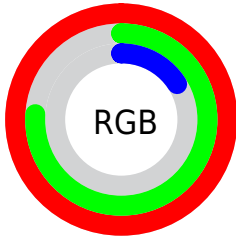
Format	Color
R _Y B	126, 255, 41
Decimal	16761385
CIE Lab	81.84, 9.40, 77.07
CIE LCh	82, 77.639, 83.044
Yxy	60.0037, 0.4637, 0.4566
Android (android.graphics.Color)	4294951465 (0xFFFFC229)
YUV	194.7970, -75.8219, 52.7980
Hunter-Lab	77.4621, 4.8503, 46.2110

Details

The XYZ color **60.9320, 60.0037, 10.4682** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **23.7158, 17.1940, 96.6757**, and the grayscale version is **52.1542, 54.8703, 59.7538**.

A 20% lighter version of the original color is **77.8239, 90.5905, 25.9543**, and **31.5172, 30.3872, 4.2042** is the 20% darker color. If you saturate the color by 10%, you get **59.0445, 56.7258, 8.3083**, and if you desaturate by 10%, it is **63.1888, 63.5608, 14.1710**.

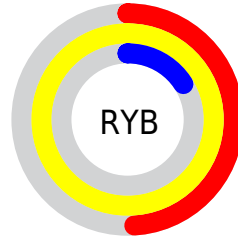
Distribution



Red (100%)

Green (76%)

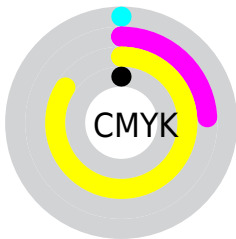
Blue (16%)



Red (49%)

Yellow (100%)

Blue (16%)

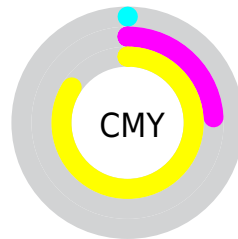


Cyan (0%)

Magenta (24%)

Yellow (84%)

Black (0%)



Cyan (0%)


Magenta (24%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.9320, 60.0037, 10.4682 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 60.9320, 60.0037, 10.4682 by changing the saturation by 10% instead.


 60.9320, 60.0037,
10.4682


 60.9320, 60.0037,
10.4682


417.8045,
424.6114, 204.5865


 44.4226, 43.4216,
5.6008


 105.2791,
104.8350, 27.2940


 31.2022, 30.2161,
2.5391

 133.8476,
133.8531, 40.0894


 20.9055, 20.0026,
0.8608


 167.1665,
167.7852, 56.3647

 13.1670, 12.3970,
0.0000

 205.6012,
207.0159, 76.5382

 7.6214, 7.0146,
0.0000

 249.5169,
251.9294, 101.0287

 3.9034, 3.4713,
0.0000

 299.2792,

 1.6476, 1.3824,

302.9103, 130.2545

0.0000

355.2533,
360.3428, 164.6343

■ 0.4232, 0.2037,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 60.9320, 60.0037,
10.4682

■ 60.9320, 60.0037,
10.4682

■ 59.0445, 56.7258,
8.3083


■ 63.1888, 63.5608,
14.1710


■ 58.0331, 54.8467,
7.5278


■ 65.8602, 67.4096,
19.6669


■ 68.9879, 71.5710,
27.1647

■ 72.6068, 76.0607,
36.8435

 76.7482, 80.8928,
48.8624

 81.4405, 86.0802,
63.3653

 86.7095, 91.6349,
80.4849

 92.5798, 97.5683,
100.3441

95.0496, 99.9998,
108.9000

Harmonies

Analogous

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



78.1419, 60.0037, 16.5095



60.9320, 60.0037, 10.4682



45.5691, 60.0037, 12.5166

Triad

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



60.9320, 60.0037, 10.4682



32.6797, 60.0037, 107.3892



86.0866, 60.0037, 135.9583

Complementary

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



60.9320, 60.0037, 10.4682



23.7158, 17.1940, 96.6757

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.



70.2714, 60.0037, 188.4649



60.9320, 60.0037, 10.4682



40.1135, 60.0037, 167.1824

Square

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



60.9320, 60.0037, 10.4682



31.1308, 60.0037, 55.0067



53.3015, 60.0037, 202.0190



94.3602, 60.0037, 76.8788

Rectangle

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



60.9320, 60.0037, 10.4682



38.1205, 60.0037, 19.0955



53.3015, 60.0037, 202.0190



81.3462, 60.0037, 155.9232

Sweetspot

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



60.9334, 60.0067, 10.4694



80.9065, 85.5026, 61.6740



44.5931, 23.8703, 15.6769



16.9553, 17.9051, 12.0687



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.



60.9334, 60.0067, 10.4694



58.0336, 54.8472, 7.5279



63.3693, 85.7064, 15.3015



19.0981, 20.1643, 19.0299



30.4575, 28.9263, 3.9781



3.0588, 3.0030, 0.4184

Inverse Universe

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



23.7158, 17.1940, 96.6757



20.4116, 11.9431, 95.8372



22.4818, 10.6821, 95.4838



17.4246, 18.2208, 22.8485



10.7745, 6.4587, 50.1133



1.1374, 0.8055, 4.9088

Previews

White Background



This preview shows how the XYZ color 60.9320, 60.0037, 10.4682 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 60.9320, 60.0037, 10.4682 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 60.9320, 60.0037, 10.4682

Background



This preview shows how black text looks on a background with the XYZ color 60.9320, 60.0037, 10.4682.



This preview shows how white text looks on a background with the XYZ color 60.9320, 60.0037,

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

60.9320, 60.0037, 10.4682

Protanopia

54.3606, 60.0256, 11.1039

Deuteranopia

61.3212, 60.1593, 12.5176



Tritanopia

68.5528, 59.9434, 60.1817

Trichromacy



Original Color

60.9320, 60.0037, 10.4682

Protanomaly

56.3502, 59.6601, 10.8311

Deuteranomaly

61.1516, 60.0915, 11.6246

Tritanomaly

63.9568, 59.1199, 32.8513

Monochromacy



Original Color

60.9320, 60.0037, 10.4682

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

52.7906, 55.6460, 32.3845

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.9320, 60.0037, 10.4682 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(255, 194, 41)` looks like.

```
.text, #text, p{  
    color:rgb(255, 194, 41)  
}
```

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(255, 194, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 194, 41) }
```

Border

The CSS property to change the border of an element to XYZ 60.9320, 60.0037, 10.4682 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(255, 194, 41) }
```


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

```
.border{ border-color:rgb(255, 194, 41) }
```

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

Here you see how a box with a 4 pixel rgb(255, 194, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 194, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 194, 41);  
box-shadow:4px 4px 4px 4px rgb(255, 194,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 60.9320, 60.0037, 10.4682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 194, 41) }
```

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

```
.background{ background-color: rgb(255,  
194, 41) }
```

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