

Converting Colors

XYZ(60.0571, 75.4850, 11.6002)

Have a look what the booklet for
XYZ(60.0571, 75.4850, 11.6002)
contains.

XYZ(60.1580, 75.5358, 11.6102)	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(60.1580, 75.5358,
11.6102)**

Conversions

Conversions Part 1

Format	Color
Hex	DEEC07
RGB	222, 236, 7
RGB Percent	87%, 93%, 3%
CMY	0.1294, 0.0745, 0.9724
CMYK	0.06, 0.00, 0.97, 0.07
HSL	64°, 94%, 48%
HSV	64°, 97%, 93%
XYZ	60.1580, 75.5358, 11.6102
YIQ	205.7080, 65.1650, -74.1870

Conversions

Conversions Part 2

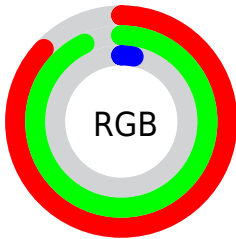
Format	Color
RYB	7, 236, 21
Decimal	14609415
CIELab	89.64, -26.07, 87.30
CIELCh	90, 91.112, 106.623
Yxy	75.5358, 0.4084, 0.5128
Android (android.graphics.Color)	4292799495 (0xFFDEEC07)
YUV	205.7080, -97.9630, 14.2881
Hunter-Lab	86.9113, -28.5413, 52.9176

Details

The XYZ color **60.1580, 75.5358, 11.6102** 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 **15.5277, 6.3690, 79.7725**, and the grayscale version is **59.0611, 62.1369, 67.6671**.

A 20% lighter version of the original color is **78.9758, 93.5703, 24.2543**, and **31.2215, 40.3239, 6.1377** is the 20% darker color. If you saturate the color by 10%, you get **59.9896, 75.4560, 11.4027**, and if you desaturate by 10%, it is **60.8078, 75.8498, 12.7067**.

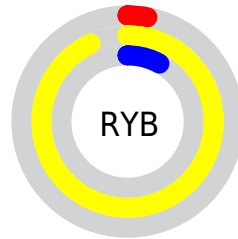
Distribution



Red (87%)

Green (93%)

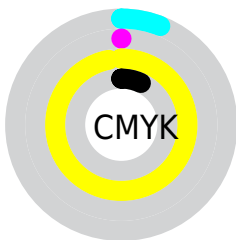
Blue (3%)



Red (3%)

Yellow (93%)

Blue (8%)

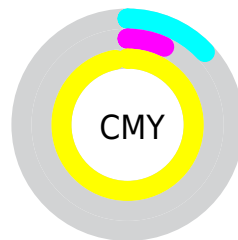


Cyan (6%)

Magenta (0%)

Yellow (97%)

Black (7%)



Cyan (13%)

Magenta (7%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 60.1580, 75.5358, 11.6102 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 60.1580, 75.5358, 11.6102 by changing the saturation by 10% instead.

60.1580, 75.5358,
11.6102

60.1580, 75.5358,
11.6102

415.0053,
479.7572, 212.6929

43.7959, 56.0519,
6.3595

104.1639,
127.0705, 29.4368

30.7073, 40.2446,
2.9926

132.5384,
159.8902, 42.8499

20.5268, 27.7293,
1.0909

165.6478,
197.9239, 59.8209

12.8891, 18.1217,
0.0000

203.8574,
241.5561, 80.7683

7.4287, 11.0374,
0.0000

247.5326,
291.1711, 106.1106

3.7803, 6.0920,
0.0000

297.0388,

1.5786, 2.9011,

347.1533, 136.2665

0.0000

352.7412,
409.8872, 171.6544

■ 0.3784, 1.0803,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 60.1580, 75.5358,
11.6102

■ 60.1580, 75.5358,
11.6102

■ 59.9896, 75.4560,
11.4027

■ 60.8078, 75.8498,
12.7067

■ 61.6846, 76.2523,
14.9860

■ 62.8342, 76.7643,
18.6820

■ 64.2909, 77.3996,
23.9753

■ 66.0838, 78.1699,
31.0195

■ 68.2389, 79.0854,
39.9505

■ 70.7793, 80.1555,
50.8905

■ 73.7263, 81.3887,
63.9518

■ 77.0997, 82.7929,
79.2381

Harmonies

Analogous

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



82.2334, 75.5358, 11.1264



60.1580, 75.5358, 11.6102



44.8050, 75.5358, 23.2661

Triad

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



60.1580, 75.5358, 11.6102



46.0777, 75.5358, 208.5268



122.4120, 75.5358, 114.2317

Complementary

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



60.1580, 75.5358, 11.6102



15.5277, 6.3690, 79.7725

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.



107.8953, 75.5358, 199.4673



60.1580, 75.5358, 11.6102



62.2787, 75.5358, 270.2332

Square

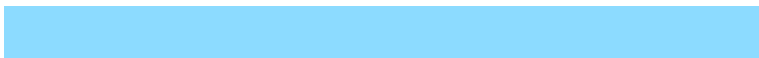
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



60.1580, 75.5358, 11.6102



37.9112, 75.5358, 122.8481



84.8424, 75.5358, 266.2529



121.5123, 75.5358, 51.7487

Rectangle

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



60.1580, 75.5358, 11.6102



39.0569, 75.5358, 42.3511



84.8424, 75.5358, 266.2529



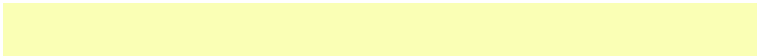
119.0630, 75.5358, 141.5792

Sweetspot

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



60.1597, 75.5393, 11.6118



83.7009, 95.2703, 57.7205



34.8568, 18.2977, 1.8966



17.6346, 20.2735, 11.1421



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.



60.1597, 75.5393, 11.6118



71.4922, 89.9406, 13.5922



36.4750, 63.3294, 10.5033



16.2556, 17.5773, 16.0547



33.1061, 41.6113, 6.2869



2.6273, 3.2817, 0.4950

Inverse Universe

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



15.5277, 6.3690, 79.7725



18.2569, 7.3267, 95.0597



24.8854, 11.1931, 80.2104



14.3165, 14.5929, 18.9844



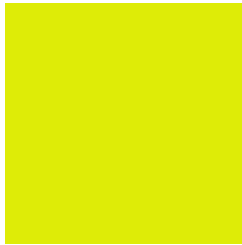
8.4846, 3.4099, 43.9540



0.6963, 0.2833, 3.4529

Previews

White Background



This preview shows how the XYZ color 60.1580, 75.5358, 11.6102 looks on a white background.

Color Contrast Check

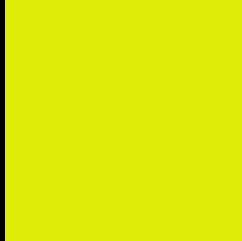
Large Text (above 18pt) WCAG AA × Fail

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 60.1580, 75.5358, 11.6102 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 60.1580, 75.5358, 11.6102

Background



This preview shows how black text looks on a background with the XYZ color 60.1580, 75.5358, 11.6102.



This preview shows how white text looks on a background with the XYZ color 60.1580, 75.5358,

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

60.1580, 75.5358, 11.6102

Protanopia

68.0694, 75.4635, 10.9783

Deuteranopia

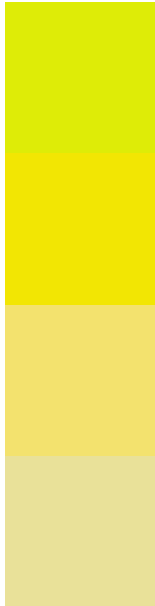
73.9946, 75.3110, 48.1727



Tritanopia

76.2142, 75.1282, 90.6050

Trichromacy



Original Color

60.1580, 75.5358, 11.6102

Protanomaly

64.9312, 75.4774, 11.2325

Deuteranomaly

66.9730, 74.5732, 25.6161

Tritanomaly

66.2793, 73.4740, 40.8256

Monochromacy



Original Color

60.1580, 75.5358, 11.6102

Achromatopsia

58.6655, 61.7207, 67.2138

Achromatomaly

56.2673, 65.3440, 32.2013

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.1580, 75.5358, 11.6102 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, 236, 7)` looks like.

```
.text, #text, p{  
    color:rgb(222, 236, 7)  
}
```

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, 236, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 236, 7) }
```

Border

The CSS property to change the border of an element to XYZ 60.1580, 75.5358, 11.6102 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, 236, 7) }
```


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

```
.border{ border-color:rgb(222, 236, 7) }
```

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

Here you see how a box with a 4 pixel rgb(222, 236, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 236, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 236, 7);  
box-shadow:4px 4px 4px 4px rgb(222, 236,  
7) }
```

Background

The CSS property to change the background color of an element to XYZ 60.1580, 75.5358, 11.6102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 236, 7) }
```

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

```
.background{ background-color: rgb(222,  
236, 7) }
```

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