

Converting Colors

XYZ(59.9578, 75.5128, 11.4128)

Have a look what the booklet for
XYZ(59.9578, 75.5128, 11.4128)
contains.

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Color

**XYZ(59.8142, 75.3631,
11.3940)**

Conversions

Conversions Part 1

Format	Color
Hex	DDEC00
RGB	221, 236, 0
RGB Percent	87%, 93%, 0%
CMY	0.1333, 0.0745, 0.9999
CMYK	0.06, 0.00, 1.00, 0.07
HSL	64°, 100%, 46%
HSV	64°, 100%, 93%
XYZ	59.8142, 75.3631, 11.3940
YIQ	204.6110, 66.8160, -76.5760

Conversions

Conversions Part 2

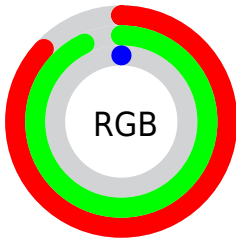
Format	Color
RYB	0, 236, 15
Decimal	14543872
CIELab	89.56, -26.54, 87.76
CIELCh	90, 91.682, 106.825
Yxy	75.3631, 0.4081, 0.5142
Android (android.graphics.Color)	4292733952 (0xFFDDEC00)
YUV	204.6110, -100.8732, 14.3732
Hunter-Lab	86.8119, -28.9328, 52.9866

Details

The XYZ color **59.8142, 75.3631, 11.3940** 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 **15.3393, 6.1591, 79.7420**, and the grayscale version is **58.3761, 61.4162, 66.8823**.

A 20% lighter version of the original color is **78.9318, 93.5527, 24.0225**, and **31.0192, 40.2196, 6.1283** is the 20% darker color. If you saturate the color by 10%, you get **59.8151, 75.3662, 11.3945**, and if you desaturate by 10%, it is **60.4359, 75.6676, 12.2644**.

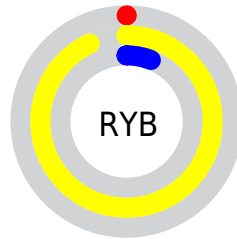
Distribution



Red (87%)

Green (93%)

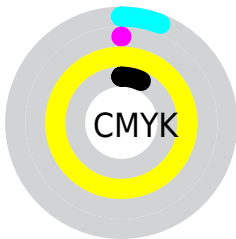
Blue (0%)



Red (0%)

Yellow (93%)

Blue (6%)

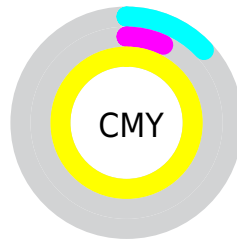


Cyan (6%)

Magenta (0%)

Yellow (100%)

Black (7%)



Cyan (13%)


Magenta (7%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.8142, 75.3631, 11.3940 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 59.8142, 75.3631, 11.3940 by changing the saturation by 10% instead.


 59.8142, 75.3631,
11.3940


 59.8142, 75.3631,
11.3940


413.7583,
479.1647, 211.1846

 43.5178, 55.9104,
6.2150


 103.6680,
126.8262, 29.0342


 30.4879, 40.1311,
2.9054


 131.9560,
159.6054, 42.3324


 20.3591, 27.6408,
1.0465


 164.9720,
197.5956, 59.1742

 12.7661, 18.0550,
0.0000

 203.0813,
241.1811, 79.9780

 7.3436, 10.9895,
0.0000

 246.6492,
290.7464, 105.1624

 3.7261, 6.0598,
0.0000

 296.0411,

 1.5484, 2.8815,

346.6758, 135.1460

0.0000

351.6224,
409.3538, 170.3472

■ 0.3584, 1.0702,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 59.8142, 75.3631,
11.3940

■ 59.8142, 75.3631,
11.3940

■ 59.8151, 75.3662,
11.3945

■ 60.4359, 75.6676,
12.2644

■ 61.2558, 76.0491,
14.1647

■ 62.3373, 76.5357,
17.4210

■ 63.7167, 77.1419,
22.2243

■ 65.4244, 77.8799,
28.7353

■ 67.4872, 78.7604,
37.0942

■ 69.9290, 79.7930,
47.4272

■ 72.7715, 80.9864,
59.8491

■ 76.0351, 82.3487,
74.4661

Harmonies

Analogous

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



81.9596, 75.3631, 10.8546



59.8142, 75.3631, 11.3940



44.4664, 75.3631, 23.0940

Triad

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



59.8142, 75.3631, 11.3940



45.9006, 75.3631, 209.7802



122.6021, 75.3631, 113.6912

Complementary

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



59.8142, 75.3631, 11.3940



15.3393, 6.1591, 79.7420

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.



108.0743, 75.3631, 199.5107



59.8142, 75.3631, 11.3940



62.2076, 75.3631, 271.7024

Square

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



59.8142, 75.3631, 11.3940



37.6643, 75.3631, 123.4387



84.9084, 75.3631, 267.1864



121.5836, 75.3631, 51.1434

Rectangle

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



59.8142, 75.3631, 11.3940



38.7431, 75.3631, 42.2913



84.9084, 75.3631, 267.1864



119.2642, 75.3631, 141.1728

Sweetspot

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



59.8159, 75.3666, 11.3956



83.3188, 95.1034, 56.3486



34.7238, 18.0929, 1.6631



17.5583, 20.2398, 10.8843



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.



59.8159, 75.3666, 11.3956



71.2832, 89.8329, 13.5825



35.9677, 63.0724, 10.2795



16.2518, 17.5754, 16.0545



33.0114, 41.5625, 6.2825



2.6208, 3.2784, 0.4947

Inverse Universe

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



15.3393, 6.1591, 79.7420



18.2674, 7.3321, 95.0602



24.3198, 10.7887, 80.1623



14.3199, 14.5947, 18.9846



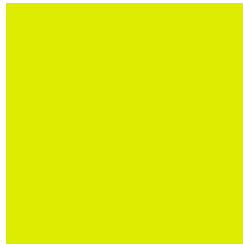
8.4905, 3.4130, 43.9542



0.6980, 0.2841, 3.4529

Previews

White Background



This preview shows how the XYZ color 59.8142, 75.3631, 11.3940 looks on a white background.

Color Contrast Check

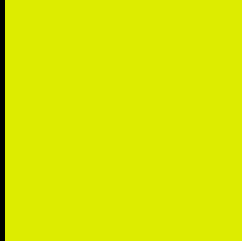
Large Text (above 18pt) WCAG AA × Fail

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 59.8142, 75.3631, 11.3940 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 59.8142, 75.3631, 11.3940

Background



This preview shows how black text looks on a background with the XYZ color 59.8142, 75.3631, 11.3940.



This preview shows how white text looks on a background with the XYZ color 59.8142, 75.3631,

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

59.8142, 75.3631, 11.3940

Protanopia

67.7983, 74.9213, 10.8879

Deuteranopia

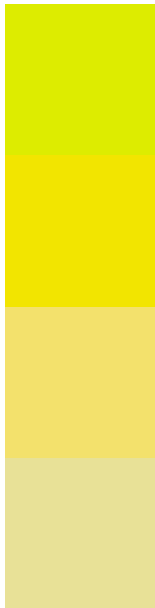
73.7329, 74.7876, 48.0854



Tritanopia

75.8775, 74.9546, 90.5893

Trichromacy



Original Color

59.8142, 75.3631, 11.3940

Protanomaly

64.6373, 74.9159, 11.0535

Deuteranomaly

66.5941, 73.9878, 24.9585

Tritanomaly

65.7898, 73.2406, 39.9475

Monochromacy



Original Color

59.8142, 75.3631, 11.3940

Achromatopsia

58.0276, 61.0496, 66.4830

Achromatomaly

55.4491, 64.5723, 30.6603

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.8142, 75.3631, 11.3940 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(221, 236, 0)` looks like.

```
.text, #text, p{  
    color:rgb(221, 236, 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(221, 236, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 236, 0) }
```

Border

The CSS property to change the border of an element to XYZ 59.8142, 75.3631, 11.3940 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(221, 236, 0) }
```


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

```
.border{ border-color:rgb(221, 236, 0) }
```

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

Here you see how a box with a 4 pixel rgb(221, 236, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 236, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 236, 0);  
box-shadow:4px 4px 4px 4px rgb(221, 236,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 59.8142, 75.3631, 11.3940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 236, 0) }
```

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

```
.background{ background-color: rgb(221,  
236, 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](#).

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