

Converting Colors

XYZ(57.8177, 73.1359, 4.3122)

Have a look what the booklet for
XYZ(57.8177, 73.1359, 4.3122)
contains.

XYZ(59.2631, 73.8074, 11.1228)	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(59.2631, 73.8074,
11.1228)**

Conversions

Conversions Part 1

Format	Color
Hex	DEE900
RGB	222, 233, 0
RGB Percent	87%, 91%, 0%
CMY	0.1294, 0.0863, 0.9999
CMYK	0.05, 0.00, 1.00, 0.09
HSL	63°, 100%, 46%
HSV	63°, 100%, 91%
XYZ	59.2631, 73.8074, 11.1228
YIQ	203.1490, 68.2370, -74.7950

Conversions

Conversions Part 2

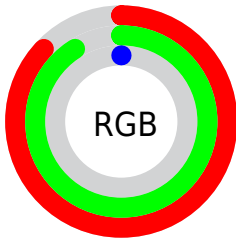
Format	Color
RYB	0, 233, 11
Decimal	14608640
CIELab	88.83, -24.70, 87.25
CIELCh	89, 90.680, 105.809
Yxy	73.8074, 0.4110, 0.5119
Android (android.graphics.Color)	4292798720 (0xFFDEE900)
YUV	203.1490, -100.1525, 16.5323
Hunter-Lab	85.9112, -27.2122, 52.4617

Details

The XYZ color **59.2631, 73.8074, 11.1228** 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 **14.8478, 5.9557, 77.4624**, and the grayscale version is **57.4425, 60.4340, 65.8126**.

A 20% lighter version of the original color is **78.8883, 93.5353, 23.7938**, and **30.8207, 39.5222, 6.0041** is the 20% darker color. If you saturate the color by 10%, you get **59.2641, 73.8105, 11.1233**, and if you desaturate by 10%, it is **59.7609, 74.0484, 11.9714**.

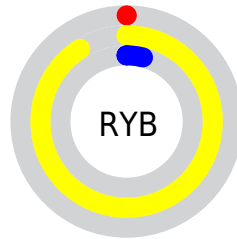
Distribution



Red (87%)

Green (91%)

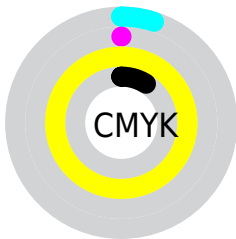
Blue (0%)



Red (0%)

Yellow (91%)

Blue (4%)

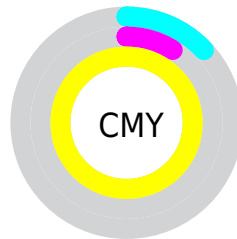


Cyan (5%)

Magenta (0%)

Yellow (100%)

Black (9%)



Cyan (13%)

Magenta (9%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.2631, 73.8074, 11.1228 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 59.2631, 73.8074, 11.1228 by changing the saturation by 10% instead.

■ 59.2631, 73.8074,
11.1228

■ 59.2631, 73.8074,
11.1228

411.7546,
473.8084, 209.2757

■ 43.0721, 54.6364,
6.0343

■ 102.8724,
124.6227, 28.5271

■ 30.1365, 39.1107,
2.7968

■ 131.0214,
157.0359, 41.6800

■ 20.0908, 26.8459,
0.9918

■ 163.8872,
194.6319, 58.3581

■ 12.5697, 17.4575,
0.0000

■ 201.8351,
237.7951, 78.9800

■ 7.2079, 10.5612,
0.0000

■ 245.2304,
286.9100, 103.9641

■ 3.6399, 5.7726,
0.0000


■ 294.4385,

■ 1.5005, 2.7073,


342.3609, 133.7291


0.0000

349.8248,
404.5322, 168.6934


 0.3262, 0.9809,
0.0000


 0.0000, 0.0000,
0.0000


 59.2631, 73.8074,
11.1228


 59.2631, 73.8074,
11.1228

 59.2641, 73.8105,
11.1233

 59.7609, 74.0484,
11.9714

 60.4492, 74.3630,
13.8184

 61.3896, 74.7788,
16.9820

 62.6174, 75.3097,
21.6470

■ 64.1620, 75.9677,
27.9689

■ 66.0493, 76.7630,
36.0840

■ 68.3025, 77.7049,
46.1141

■ 70.9428, 78.8018,
58.1708

■ 73.9896, 80.0617,
72.3568

Harmonies

Analogous

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



81.0233, 73.8074, 10.8879



59.2631, 73.8074, 11.1228



44.0170, 73.8074, 22.0990

Triad

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



59.2631, 73.8074, 11.1228



44.6382, 73.8074, 202.0334



119.5807, 73.8074, 113.8131

Complementary

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



59.2631, 73.8074, 11.1228



14.8478, 5.9557, 77.4624

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.



105.0016, 73.8074, 197.5994



59.2631, 73.8074, 11.1228



60.2989, 73.8074, 263.9152

Square

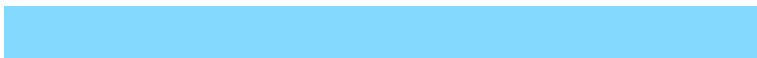
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



59.2631, 73.8074, 11.1228



36.8562, 73.8074, 118.0260



82.2985, 73.8074, 261.9663



119.1406, 73.8074, 51.7096

Rectangle

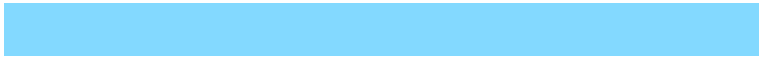
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59.2631, 73.8074, 11.1228



38.2480, 73.8074, 40.2901



82.2985, 73.8074, 261.9663



116.1605, 73.8074, 140.8173

Sweetspot

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



59.2648, 73.8108, 11.1243



83.7689, 95.3354, 56.3697



33.6911, 17.4941, 1.6020



17.6678, 20.2963, 10.8895



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.



59.2648, 73.8108, 11.1243



72.7057, 90.5662, 13.6490



35.4174, 61.5170, 10.0083



16.2775, 17.5886, 16.0557



33.6564, 41.8950, 6.3127



2.6646, 3.3010, 0.4967

Inverse Universe

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



14.8478, 5.9557, 77.4624



18.2023, 7.2985, 95.0571



23.0628, 10.1907, 77.8468



14.2970, 14.5829, 18.9835



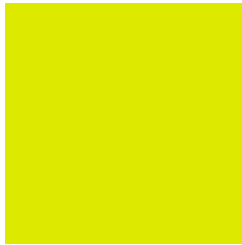
8.4527, 3.3934, 43.9525



0.6870, 0.2785, 3.4524

Previews

White Background



This preview shows how the XYZ color 59.2631, 73.8074, 11.1228 looks on a white background.

Color Contrast Check

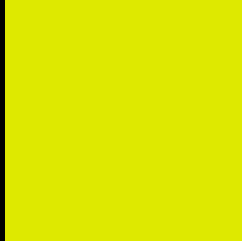
Large Text (above 18pt) WCAG AA × Fail

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 59.2631, 73.8074, 11.1228 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 59.2631, 73.8074, 11.1228

Background



This preview shows how black text looks on a background with the XYZ color 59.2631, 73.8074, 11.1228.



This preview shows how white text looks on a background with the XYZ color 59.2631, 73.8074,

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

59.2631, 73.8074, 11.1228

Protanopia

66.1713, 73.2846, 10.6577

Deuteranopia

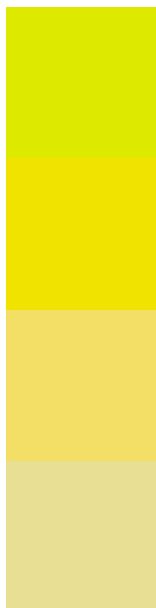
72.4859, 73.4589, 44.0768



Tritanopia

74.9240, 73.7434, 88.1269

Trichromacy



Original Color

59.2631, 73.8074, 11.1228

Protanomaly

63.4043, 73.4634, 10.8381

Deuteranomaly

65.7481, 72.7893, 23.1548

Tritanomaly

65.0912, 72.1011, 38.9200

Monochromacy



Original Color

59.2631, 73.8074, 11.1228

Achromatopsia

56.7640, 59.7202, 65.0353

Achromatomaly

54.5874, 63.3798, 30.1253

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.2631, 73.8074, 11.1228 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, 233, 0)` looks like.

```
.text, #text, p{  
    color:rgb(222, 233, 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(222, 233, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 233, 0) }
```

Border

The CSS property to change the border of an element to XYZ 59.2631, 73.8074, 11.1228 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, 233, 0) }
```


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

```
.border{ border-color:rgb(222, 233, 0) }
```

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

Here you see how a box with a 4 pixel rgb(222, 233, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 233, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 233, 0);  
box-shadow:4px 4px 4px 4px rgb(222, 233,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 59.2631, 73.8074, 11.1228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 233, 0) }
```

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

```
.background{ background-color: rgb(222,  
233, 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](#).

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