

Converting Colors

XYZ(59.1034, 71.2214, 10.6320)

Have a look what the booklet for
XYZ(59.1034, 71.2214, 10.6320)
contains.

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Color

**XYZ(59.1476, 71.2691,
10.6389)**

Conversions

Conversions Part 1

Format	Color
Hex	E3E300
RGB	227, 227, 0
RGB Percent	89%, 89%, 0%
CMY	0.1098, 0.1098, 0.9999
CMYK	0.00, 0.00, 1.00, 0.11
HSL	60°, 100%, 45%
HSV	60°, 100%, 89%
XYZ	59.1476, 71.2691, 10.6389
YIQ	201.1220, 72.8670, -70.5970

Conversions

Conversions Part 2

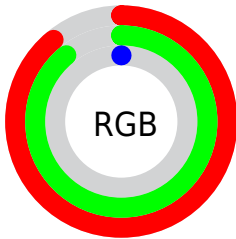
Format	Color
RYB	0, 227, 0
Decimal	14934784
CIELab	87.62, -19.74, 86.53
CIELCh	88, 88.754, 102.852
Yxy	71.2691, 0.4193, 0.5053
Android (android.graphics.Color)	4293124864 (0xFFE3E300)
YUV	201.1220, -99.1531, 22.6950
Hunter-Lab	84.4210, -22.6750, 51.6229

Details

The XYZ color **59.1476, 71.2691, 10.6389** 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 **13.8668, 5.5473, 73.0175**, and the grayscale version is **56.1613, 59.0861, 64.3447**.

A 20% lighter version of the original color is **78.8455, 93.5182, 23.5681**, and **30.6889, 37.7205, 5.6633** is the 20% darker color. If you saturate the color by 10%, you get **59.1490, 71.2724, 10.6395**, and if you desaturate by 10%, it is **59.3013, 71.3333, 11.4398**.

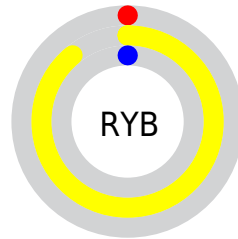
Distribution



Red (89%)

Green (89%)

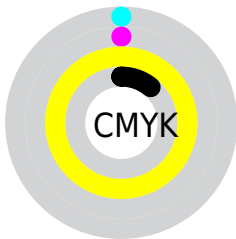
Blue (0%)



Red (0%)

Yellow (89%)

Blue (0%)

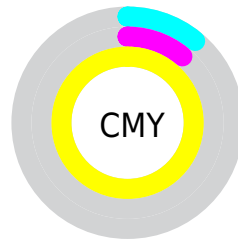


Cyan (0%)

Magenta (0%)

Yellow (100%)

Black (11%)



Cyan (11%)

Magenta (11%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.1476, 71.2691, 10.6389 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 59.1476, 71.2691, 10.6389 by changing the saturation by 10% instead.

■ 59.1476, 71.2691,
10.6389

■ 59.1476, 71.2691,
10.6389

411.3339,
464.9936, 205.8209

■ 42.9788, 52.5618,
5.7135

■ 102.7056,
121.0168, 27.6168

■ 30.0629, 37.4531,
2.6057

■ 130.8254,
152.8260, 40.5064

■ 20.0347, 25.5585,
0.8954

■ 163.6596,
189.7714, 56.8878

■ 12.5286, 16.4936,
0.0000

■ 201.5736,
232.2372, 77.1796

■ 7.1795, 9.8741,
0.0000

■ 244.9326,
280.6080, 101.8002

■ 3.6220, 5.3156,
0.0000

■ 294.1022,

■ 1.4906, 2.4336,

335.2680, 131.1683

0.0000

349.4475,
396.6018, 165.7023

■ 0.3194, 0.8431,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 59.1476, 71.2691,
10.6389

■ 59.1476, 71.2691,
10.6389

■ 59.1490, 71.2724,
10.6395

■ 59.3013, 71.3333,
11.4398

■ 59.6315, 71.4654,
13.1778

■ 60.1972, 71.6917,
16.1553

■ 61.0311, 72.0253,
20.5455

■ 62.1610, 72.4773,
26.4942

■ 63.6111, 73.0574,
34.1290

■ 65.4031, 73.7742,
43.5643

■ 67.5568, 74.6357,
54.9046

■ 70.0907, 75.6493,
68.2463

Harmonies

Analogous

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



80.3573, 71.2691, 11.2467



59.1476, 71.2691, 10.6389



43.8185, 71.2691, 19.9430

Triad

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



59.1476, 71.2691, 10.6389



42.2368, 71.2691, 185.8297



114.1193, 71.2691, 116.9392

Complementary

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



59.1476, 71.2691, 10.6389



13.8668, 5.5473, 73.0175

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.



99.0839, 71.2691, 197.0203



59.1476, 71.2691, 10.6389



56.5163, 71.2691, 248.8815

Square

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



59.1476, 71.2691, 10.6389



35.5024, 71.2691, 106.2735



77.1248, 71.2691, 253.7936



115.2323, 71.2691, 54.6122

Rectangle

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



59.1476, 71.2691, 10.6389



37.7840, 71.2691, 35.8859



77.1248, 71.2691, 253.7936



110.4030, 71.2691, 143.2400

Sweetspot

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



59.1492, 71.2724, 10.6404



85.0853, 96.0140, 56.4313



31.6811, 16.3327, 1.4836



17.9888, 20.4617, 10.9045



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.



59.1492, 71.2724, 10.6404



76.9969, 92.7784, 13.8499



34.3480, 58.4869, 9.4797



15.6016, 16.8172, 15.3282



34.4938, 41.5637, 6.2046



2.5490, 3.0714, 0.4585

Inverse Universe

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



13.8668, 5.5473, 73.0175



18.0501, 7.2201, 95.0500



20.7433, 9.0923, 73.3393



13.5829, 13.8872, 18.1089



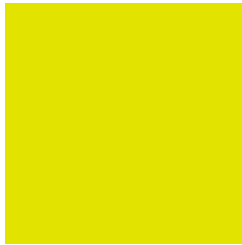
8.0863, 3.2345, 42.5813



0.5976, 0.2390, 3.1466

Previews

White Background



This preview shows how the XYZ color 59.1476, 71.2691, 10.6389 looks on a white background.

Color Contrast Check

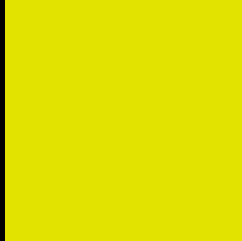
Large Text (above 18pt) WCAG AA × Fail

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 59.1476, 71.2691, 10.6389 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 59.1476, 71.2691, 10.6389

Background



This preview shows how black text looks on a background with the XYZ color 59.1476, 71.2691, 10.6389.

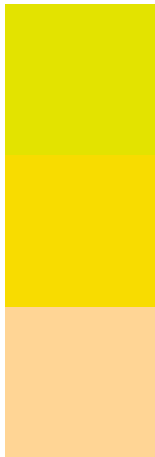


This preview shows how white text looks on a background with the XYZ color 59.1476, 71.2691,

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

59.1476, 71.2691, 10.6389

Protanopia

64.3046, 71.1429, 10.3427

Deuteranopia

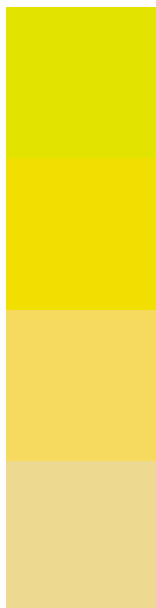
70.4591, 71.0184, 38.4281



Tritanopia

73.7773, 71.0118, 82.4912

Trichromacy



Original Color

59.1476, 71.2691, 10.6389

Protanomaly

62.3229, 71.3006, 10.4776

Deuteranomaly

64.7932, 70.3815, 20.9965

Tritanomaly

64.7719, 69.6438, 36.4143

Monochromacy



Original Color

59.1476, 71.2691, 10.6389

Achromatopsia

55.5167, 58.4078, 63.6061

Achromatomaly

53.5212, 61.3533, 29.4436

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.1476, 71.2691, 10.6389 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(227, 227, 0)` looks like.

```
.text, #text, p{  
    color:rgb(227, 227, 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(227, 227, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 227, 0) }
```

Border

The CSS property to change the border of an element to XYZ 59.1476, 71.2691, 10.6389 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(227, 227, 0) }
```


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

```
.border{ border-color:rgb(227, 227, 0) }
```

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

Here you see how a box with a 4 pixel rgb(227, 227, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 227, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 227, 0);  
box-shadow:4px 4px 4px 4px rgb(227, 227,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 59.1476, 71.2691, 10.6389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 227, 0) }
```

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

```
.background{ background-color: rgb(227,  
227, 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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