

Converting Colors

XYZ(71.2313, 82.6256, 12.1941)

Have a look what the booklet for
XYZ(71.2313, 82.6256, 12.1941)
contains.

XYZ(71.0114, 82.4285, 12.1676)	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(71.0114, 82.4285,
12.1676)**

Conversions

Conversions Part 1

Format	Color
Hex	FCEF00
RGB	252, 239, 0
RGB Percent	99%, 94%, 0%
CMY	0.0118, 0.0627, 0.9999
CMYK	0.00, 0.05, 1.00, 0.01
HSL	57°, 100%, 49%
HSV	57°, 100%, 99%
XYZ	71.0114, 82.4285, 12.1676
YIQ	215.6410, 84.4670, -71.5730

Conversions

Conversions Part 2

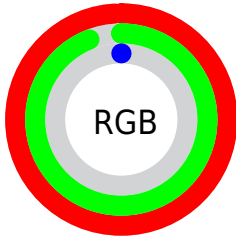
Format	Color
R _Y B	14, 252, 0
Decimal	16576256
CIE Lab	92.76, -15.11, 91.19
CIE LCh	93, 92.433, 99.409
Yxy	82.4285, 0.4288, 0.4977
Android (android.graphics.Color)	4294766336 (0xFFFCF00)
YUV	215.6410, -106.3110, 31.8868
Hunter-Lab	90.7901, -19.2692, 55.6071

Details

The XYZ color **71.0114, 82.4285, 12.1676** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light saturated yellow. A complement of this color would be **17.7153, 7.3170, 92.5733**, and the grayscale version is **65.6909, 69.1119, 75.2629**.

A 20% lighter version of the original color is **78.9758, 93.5703, 24.2543**, and **38.4193, 44.9433, 6.6500** is the 20% darker color. If you saturate the color by 10%, you get **71.0125, 82.4313, 12.1681**, and if you desaturate by 10%, it is **71.5729, 83.2672, 13.2329**.

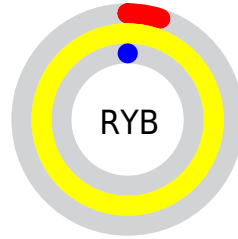
Distribution



Red (99%)

Green (94%)

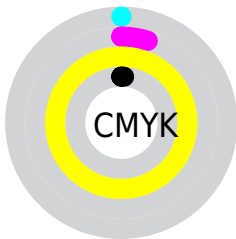
Blue (0%)



Red (5%)

Yellow (99%)

Blue (0%)

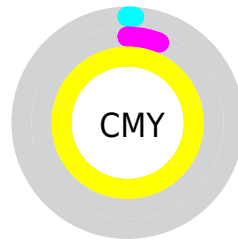


Cyan (0%)

Magenta (5%)

Yellow (100%)

Black (1%)



Cyan (1%)

Magenta (6%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.0114, 82.4285, 12.1676 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 71.0114, 82.4285, 12.1676 by changing the saturation by 10% instead.

71.0114, 82.4285,
12.1676

71.0114, 82.4285,
12.1676

453.3045,
503.0799, 216.5289

52.6341, 61.7188,
6.7340

119.6684,
136.7747, 30.4689

37.7370, 44.8055,
3.2204

150.6787,
171.1801, 44.1738

25.9549, 31.3043,
1.2082

186.6308,
210.9194, 61.4727

16.9224, 20.8307,
0.0000

227.8900,
256.3771, 82.7844

10.2742, 13.0003,
0.0000

274.8216,
307.9376, 108.5273

5.6448, 7.4287,
0.0000

327.7910,

2.6689, 3.7316,

365.9853, 139.1200

0.0000

387.1635,
430.9046, 174.9810

■ 0.9812, 1.5246,
0.0000

■ 0.0000, 0.3060,
0.0000

■ 71.0114, 82.4285,
12.1676

■ 71.0114, 82.4285,
12.1676

■ 71.0125, 82.4313,
12.1681

■ 71.5729, 83.2672,
13.2329

■ 72.3646, 84.1991,
15.5051

■ 73.4586, 85.2564,
19.3556

■ 74.8977, 86.4561,
25.0097

■ 76.7178, 87.8127,
32.6566

■ 78.9502, 89.3385,
42.4612

■ 81.6231, 91.0451,
54.5716

■ 84.7621, 92.9424,
69.1228

■ 88.3908, 95.0402,
86.2393

Harmonies

Analogous

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



95.8001, 82.4285, 14.0208



71.0114, 82.4285, 12.1676



52.4547, 82.4285, 21.3029

Triad

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



71.0114, 82.4285, 12.1676



47.7183, 82.4285, 203.1240



130.2263, 82.4285, 144.9861

Complementary

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



71.0114, 82.4285, 12.1676



17.7153, 7.3170, 92.5733

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.



111.6020, 82.4285, 236.3039



71.0114, 82.4285, 12.1676



63.1518, 82.4285, 280.1356

Square

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



71.0114, 82.4285, 12.1676



40.9440, 82.4285, 113.2431



86.1686, 82.4285, 294.6752



133.5333, 82.4285, 69.7550

Rectangle

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



71.0114, 82.4285, 12.1676



44.8416, 82.4285, 37.7353



86.1686, 82.4285, 294.6752



125.3913, 82.4285, 175.6511

Sweetspot

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



71.0133, 82.4324, 12.1693



83.8407, 93.5235, 56.0161



40.2448, 20.7360, 2.4048



17.6854, 19.8546, 10.8033



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.



71.0133, 82.4324, 12.1693



72.9479, 84.6758, 12.4993



46.1059, 75.4434, 12.1330



18.6462, 20.0283, 18.3455



37.0260, 43.0087, 6.3500



3.4521, 4.0290, 0.5957

Inverse Universe

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



17.7153, 7.3170, 92.5733



18.1958, 7.5117, 95.0986



23.9047, 10.2941, 92.8217



16.3548, 16.7865, 21.7634



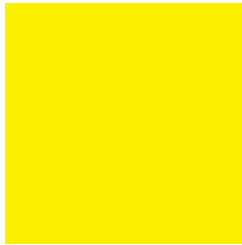
9.2584, 3.8723, 48.2330



0.8820, 0.4076, 4.4754

Previews

White Background



This preview shows how the XYZ color 71.0114, 82.4285, 12.1676 looks on a white background.

Color Contrast Check

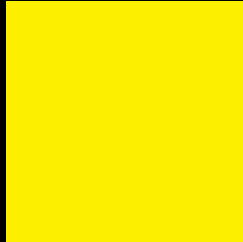
Large Text (above 18pt) WCAG AA × Fail

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 71.0114, 82.4285, 12.1676 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 71.0114, 82.4285, 12.1676

Background



This preview shows how black text looks on a background with the XYZ color 71.0114, 82.4285, 12.1676.



This preview shows how white text looks on a background with the XYZ color 71.0114, 82.4285,

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

71.0114, 82.4285, 12.1676



Protanopia

75.6820, 82.5701, 36.7597



Deuteranopia

80.1247, 82.5353, 65.7407



Tritanopia

83.9951, 82.3126, 91.5817

Trichromacy



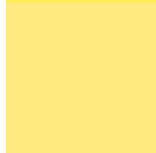
Original Color

71.0114, 82.4285, 12.1676



Protanomaly

72.6717, 81.7830, 21.4067



Deuteranomaly

74.1266, 81.4488, 31.8930



Tritanomaly

75.0349, 80.4570, 40.8532

Monochromacy



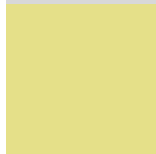
Original Color

71.0114, 82.4285, 12.1676



Achromatopsia

65.2694, 68.6685, 74.7800



Achromatomaly

63.4841, 71.7755, 34.1750

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.0114, 82.4285, 12.1676 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(252, 239, 0)` looks like.

```
.text, #text, p{  
    color:rgb(252, 239, 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(252, 239, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 239, 0) }
```

Border

The CSS property to change the border of an element to XYZ 71.0114, 82.4285, 12.1676 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(252, 239, 0) }
```


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

```
.border{ border-color:rgb(252, 239, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 239, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 239, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 239, 0);  
box-shadow:4px 4px 4px 4px rgb(252, 239,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 71.0114, 82.4285, 12.1676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 239, 0) }
```

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

```
.background{ background-color: rgb(252,  
239, 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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