

Converting Colors

XYZ(75.0367, 89.1359, 16.0455)

Have a look what the booklet for
XYZ(75.0367, 89.1359, 16.0455)
contains.

XYZ(75.2271, 89.4673, 16.1003)	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(75.2271, 89.4673,
16.1003)**

Conversions

Conversions Part 1

Format	Color
Hex	FDFA30
RGB	253, 250, 48
RGB Percent	99%, 98%, 19%
CMY	0.0078, 0.0196, 0.8117
CMYK	0.00, 0.01, 0.81, 0.01
HSL	59°, 98%, 59%
HSV	59°, 81%, 99%
XYZ	75.2271, 89.4673, 16.1003
YIQ	227.8690, 66.6300, -62.1860

Conversions

Conversions Part 2

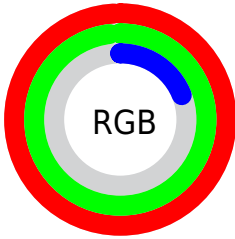
Format	Color
RYB	51, 253, 48
Decimal	16644656
CIELab	95.78, -19.29, 86.96
CIELCh	96, 89.069, 102.506
Yxy	89.4673, 0.4161, 0.4949
Android (android.graphics.Color)	4294834736 (0xFFFDFA30)
YUV	227.8690, -88.6754, 22.0399
Hunter-Lab	94.5872, -23.5628, 56.1189

Details

The XYZ color **75.2271, 89.4673, 16.1003** 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 **20.1328, 10.0883, 93.8138**, and the grayscale version is **74.2437, 78.1102, 85.0620**.

A 20% lighter version of the original color is **80.0373, 93.9949, 29.8440**, and **41.0300, 49.7900, 7.4479** is the 20% darker color. If you saturate the color by 10%, you get **74.7325, 89.0894, 14.0526**, and if you desaturate by 10%, it is **76.0232, 89.9729, 19.7170**.

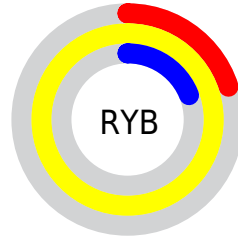
Distribution



Red (99%)

Green (98%)

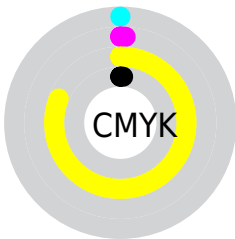
Blue (19%)



Red (20%)

Yellow (99%)

Blue (19%)

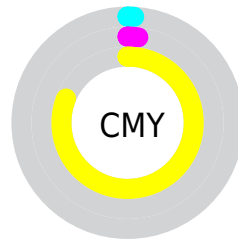


Cyan (0%)

Magenta (1%)

Yellow (81%)

Black (1%)



Cyan (1%)

Magenta (2%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.2271, 89.4673, 16.1003 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 75.2271, 89.4673, 16.1003 by changing the saturation by 10% instead.


 75.2271, 89.4673,
16.1003


 75.2271, 89.4673,
16.1003


467.6829,
526.2965, 241.7987


 56.0938, 67.5389,
9.4400


 125.6200,
146.5982, 37.5415

 40.5154, 49.5227,
4.9286


 157.6102,
182.5696, 53.1594


 28.1266, 35.0343,
2.1474


 194.6169,
223.9907, 72.6004

 18.5621, 23.6893,
0.6438

 237.0052,
271.2459, 96.2828

 11.4564, 15.1033,
0.0000

 285.1407,
324.7197, 124.6254

 6.4442, 8.8919,
0.0000

339.3885,

 3.1603, 4.6708,

384.7965, 158.0465

0.0000

400.1142,
451.8606, 196.9648

■ 1.2391, 2.0554,
0.0000

■ 0.1369, 0.6394,
0.0000

■ 75.2271, 89.4673,
16.1003

■ 75.2271, 89.4673,
16.1003

■ 74.7325, 89.0894,
14.0526


■ 76.0232, 89.9729,
19.7170


■ 74.4781, 88.8233,
13.2192


■ 77.1589, 90.6113,
25.1299

■ 78.6731, 91.4015,
32.5346


■ 80.5978, 92.3563,
42.1002

 82.9618, 93.4871,
53.9776

 85.7911, 94.8044,
68.3043

 89.1098, 96.3179,
85.2071

 92.9403, 98.0364,
104.8038

 93.7874, 98.5619,
108.6890

Harmonies

Analogous

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



100.0161, 89.4673, 17.0342



75.2271, 89.4673, 16.1003



56.9849, 89.4673, 27.9143

Triad

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



75.2271, 89.4673, 16.1003



54.7908, 89.4673, 220.1408



138.4139, 89.4673, 143.9208

Complementary

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



75.2271, 89.4673, 16.1003



20.1328, 10.0883, 93.8138

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.



121.0478, 89.4673, 234.7699



75.2271, 89.4673, 16.1003



71.6317, 89.4673, 291.3646

Square

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



75.2271, 89.4673, 16.1003



46.8029, 89.4673, 129.6864



95.6625, 89.4673, 297.7273



139.8894, 89.4673, 70.9969

Rectangle

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



75.2271, 89.4673, 16.1003



49.6861, 89.4673, 47.4171



95.6625, 89.4673, 297.7273



134.1072, 89.4673, 174.0223

Sweetspot

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



75.2291, 89.4715, 16.1021



86.4308, 96.0974, 64.9145



42.1720, 23.2400, 5.4446



18.2792, 20.4662, 12.7774



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.



75.2291, 89.4715, 16.1021



75.9009, 90.5148, 13.6904



48.9701, 77.3257, 15.1418



19.5372, 21.0425, 19.1762



39.6301, 47.2715, 7.0356



3.8657, 4.6167, 0.6874

Inverse Universe

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



20.1328, 10.0883, 93.8138



18.2684, 7.5147, 95.0954



30.8353, 15.4177, 94.2784



17.0243, 17.4202, 22.7151



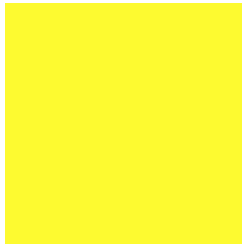
9.4618, 3.8332, 49.6758



0.9284, 0.3875, 4.8391

Previews

White Background



This preview shows how the XYZ color 75.2271, 89.4673, 16.1003 looks on a white background.

Color Contrast Check

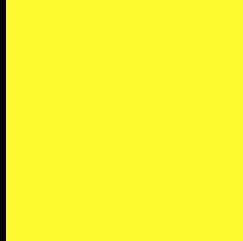
Large Text (above 18pt) WCAG AA × Fail

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 75.2271, 89.4673, 16.1003 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 75.2271, 89.4673, 16.1003

Background



This preview shows how black text looks on a background with the XYZ color 75.2271, 89.4673, 16.1003.



This preview shows how white text looks on a background with the XYZ color 75.2271, 89.4673,

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



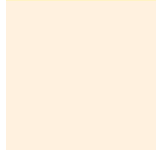
Original Color

75.2271, 89.4673, 16.1003



Protanopia

83.2544, 89.3467, 65.0822



Deuteranopia

86.0146, 89.4983, 82.5535



Tritanopia

88.4491, 89.0629, 99.7179

Trichromacy



Original Color

75.2271, 89.4673, 16.1003



Protanomaly

78.7113, 88.9354, 38.6089



Deuteranomaly

79.4817, 88.2754, 45.6506



Tritanomaly

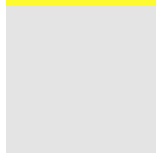
80.2652, 87.6311, 52.7285

Monochromacy



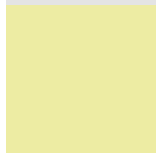
Original Color

75.2271, 89.4673, 16.1003



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

71.5314, 80.6398, 46.4453

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.2271, 89.4673, 16.1003 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(253, 250, 48)` looks like.

```
.text, #text, p{  
    color:rgb(253, 250, 48)  
}
```

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(253, 250, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 250, 48) }
```

Border

The CSS property to change the border of an element to XYZ 75.2271, 89.4673, 16.1003 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(253, 250, 48) }
```


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

```
.border{ border-color:rgb(253, 250, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 250, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 250, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 250, 48);  
box-shadow:4px 4px 4px 4px rgb(253, 250,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 75.2271, 89.4673, 16.1003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 250, 48) }
```

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

```
.background{ background-color: rgb(253,  
250, 48) }
```

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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