

Converting Colors

XYZ(72.1532, 82.9897, 12.5325)

Have a look what the booklet for
XYZ(72.1532, 82.9897, 12.5325)
contains.

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Color

**XYZ(72.1669, 83.0172,
12.5369)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEF0B
RGB	255, 239, 11
RGB Percent	100%, 94%, 4%
CMY	0.0000, 0.0627, 0.9567
CMYK	0.00, 0.06, 0.96, 0.00
HSL	56°, 100%, 52%
HSV	56°, 96%, 100%
XYZ	72.1669, 83.0172, 12.5369
YIQ	217.7920, 82.7240, -67.5160

Conversions

Conversions Part 2

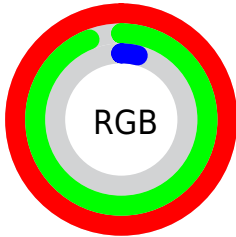
Format	Color
R _Y B	28, 255, 11
Decimal	16772875
CIE Lab	93.02, -13.78, 90.67
CIE LCh	93, 91.711, 98.640
Yxy	83.0172, 0.4303, 0.4950
Android (android.graphics.Color)	4294962955 (0xFFFFEF0B)
YUV	217.7920, -101.9485, 32.6314
Hunter-Lab	91.1138, -18.0677, 55.6216

Details

The XYZ color **72.1669, 83.0172, 12.5369** 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 **18.5808, 8.0763, 95.1865**, and the grayscale version is **67.1422, 70.6388, 76.9257**.

A 20% lighter version of the original color is **79.1113, 93.6245, 24.9681**, and **38.9258, 45.2044, 6.6737** is the 20% darker color. If you saturate the color by 10%, you get **71.8969, 82.5743, 12.1491**, and if you desaturate by 10%, it is **72.9265, 84.1109, 14.1034**.

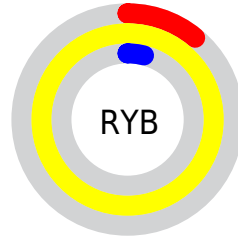
Distribution



Red (100%)

Green (94%)

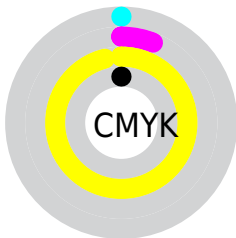
Blue (4%)



Red (11%)

Yellow (100%)

Blue (4%)

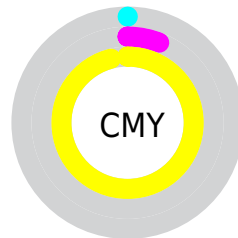


Cyan (0%)

Magenta (6%)

Yellow (96%)

Black (0%)



Cyan (0%)


Magenta (6%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.1669, 83.0172, 12.5369 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 72.1669, 83.0172, 12.5369 by changing the saturation by 10% instead.


 72.1669, 83.0172,
12.5369


 72.1669, 83.0172,
12.5369


457.2709,
505.0438, 219.0306


 53.5810, 62.2043,
6.9835


 121.3033,
137.5996, 31.1481


 38.4961, 45.1978,
3.3735


 152.5845,
172.1378, 45.0431


 26.5469, 31.6133,
1.2884


 188.8282,
212.0200, 62.5556

 17.3681, 21.0663,
0.0522

 230.3996,
257.6306, 84.1042

 10.5942, 13.1725,
0.0000

 277.6643,
309.3538, 110.1074

 5.8599, 7.5474,
0.0000

 330.9875,

 2.7999, 3.8067,

367.5742, 140.9839

0.0000

390.7346,
432.6761, 177.1521

■ 1.0489, 1.5661,
0.0000

■ 0.0000, 0.3346,
0.0000

■ 72.1669, 83.0172,
12.5369

■ 72.1669, 83.0172,
12.5369

■ 71.8969, 82.5743,
12.1491

■ 72.9265, 84.1109,
14.1034

■ 73.9664, 85.3208,
17.1322

■ 75.3389, 86.6710,
21.8896

■ 77.0845, 88.1777,
28.5894

79.2381, 89.8550,
37.4146

81.8302, 91.7150,
48.5268

84.8887, 93.7689,
62.0723

88.4390, 96.0269,
78.1850

92.5048, 98.4985,
96.9892

Harmonies

Analogous

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



96.9565, 83.0172, 14.6816



72.1669, 83.0172, 12.5369



53.4309, 83.0172, 21.4288

Triad

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



72.1669, 83.0172, 12.5369



48.0419, 83.0172, 200.7330



130.2237, 83.0172, 147.6533

Complementary

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



72.1669, 83.0172, 12.5369



18.5808, 8.0763, 95.1865

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.



111.4106, 83.0172, 238.1224



72.1669, 83.0172, 12.5369



63.2464, 83.0172, 278.0809

Square

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



72.1669, 83.0172, 12.5369



41.4774, 83.0172, 111.7594



86.0507, 83.0172, 294.4399



133.9585, 83.0172, 71.9373

Rectangle

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



72.1669, 83.0172, 12.5369



45.6654, 83.0172, 37.5400



86.0507, 83.0172, 294.4399



125.2938, 83.0172, 178.2098

Sweetspot

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



72.1688, 83.0211, 12.5386



83.8187, 93.0643, 57.2885



41.5610, 21.5804, 3.0299



17.6635, 19.7329, 11.0362



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.



72.1688, 83.0211, 12.5386



71.8975, 82.5750, 12.1492



48.2659, 77.9595, 12.8214



19.4533, 20.8747, 19.1483



37.6115, 43.2343, 6.3627



3.6916, 4.2686, 0.6294

Inverse Universe

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



18.5808, 8.0763, 95.1865



18.2461, 7.6121, 95.1154



25.4726, 11.2247, 95.4309



17.0986, 17.5688, 22.7399



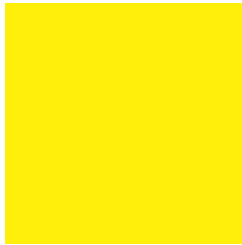
9.5696, 4.0487, 49.7117



0.9637, 0.4580, 4.8509

Previews

White Background



This preview shows how the XYZ color 72.1669, 83.0172, 12.5369 looks on a white background.

Color Contrast Check

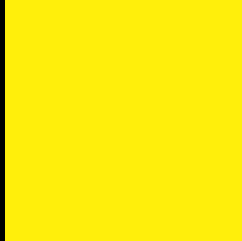
Large Text (above 18pt) WCAG AA × Fail

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 72.1669, 83.0172, 12.5369 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 72.1669, 83.0172, 12.5369

Background



This preview shows how black text looks on a background with the XYZ color 72.1669, 83.0172, 12.5369.



This preview shows how white text looks on a background with the XYZ color 72.1669, 83.0172,

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

72.1669, 83.0172, 12.5369

Protanopia

76.1366, 82.7520, 39.1540

Deuteranopia

80.3585, 82.6289, 66.9720



Tritanopia

84.2695, 82.8612, 91.6731

Trichromacy



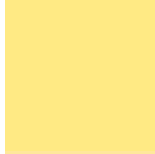
Original Color

72.1669, 83.0172, 12.5369



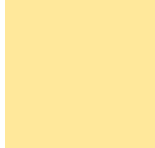
Protanomaly

73.3931, 82.1140, 23.2906



Deuteranomaly

74.8277, 81.7716, 33.6694



Tritanomaly

76.0130, 81.3398, 42.7042

Monochromacy



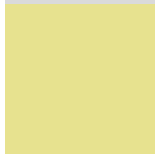
Original Color

72.1669, 83.0172, 12.5369



Achromatopsia

66.6397, 70.1102, 76.3500



Achromatomaly

65.1093, 73.3648, 36.7158

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.1669, 83.0172, 12.5369 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(255, 239, 11)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 11)  
}
```

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(255, 239, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 11) }
```

Border

The CSS property to change the border of an element to XYZ 72.1669, 83.0172, 12.5369 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(255, 239, 11) }
```


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

```
.border{ border-color:rgb(255, 239, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 239, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 11);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
11) }
```

Background

The CSS property to change the background color of an element to XYZ 72.1669, 83.0172, 12.5369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 11) }
```

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

```
.background{ background-color: rgb(255,  
239, 11) }
```

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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