

Converting Colors

XYZ(71.4498, 81.6796, 11.9999)

Have a look what the booklet for
XYZ(71.4498, 81.6796, 11.9999)
contains.

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Color

**XYZ(71.5242, 81.8284,
12.0247)**

Conversions

Conversions Part 1

Format	Color
Hex	FFED00
RGB	255, 237, 0
RGB Percent	100%, 93%, 0%
CMY	0.0000, 0.0706, 0.9999
CMYK	0.00, 0.07, 1.00, 0.00
HSL	56°, 100%, 50%
HSV	56°, 100%, 100%
XYZ	71.5242, 81.8284, 12.0247
YIQ	215.3640, 86.8050, -69.8910

Conversions

Conversions Part 2

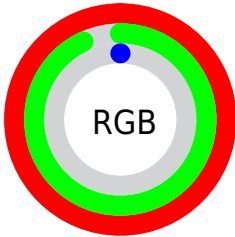
Format	Color
R _Y B	19, 255, 0
Decimal	16772352
CIE Lab	92.50, -12.88, 91.11
CIE LCh	92, 92.018, 98.047
Yxy	81.8284, 0.4325, 0.4948
Android (android.graphics.Color)	4294962432 (0xFFFFE000)
YUV	215.3640, -106.1745, 34.7608
Hunter-Lab	90.4591, -17.1669, 55.4399

Details

The XYZ color **71.5242, 81.8284, 12.0247** 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 **18.2670, 7.6536, 95.1215**, and the grayscale version is **65.4995, 68.9106, 75.0436**.

A 20% lighter version of the original color is **78.9758, 93.5703, 24.2543**, and **38.7203, 44.7934, 6.6052** is the 20% darker color. If you saturate the color by 10%, you get **71.5252, 81.8309, 12.0252**, and if you desaturate by 10%, it is **72.2308, 82.9520, 13.1545**.

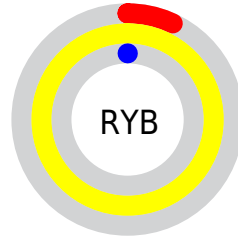
Distribution



Red (100%)

Green (93%)

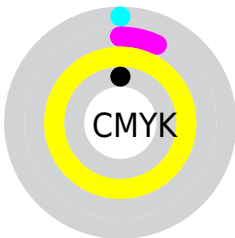
Blue (0%)



Red (7%)

Yellow (100%)

Blue (0%)

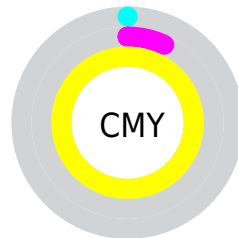


Cyan (0%)

Magenta (7%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.5242, 81.8284, 12.0247 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 71.5242, 81.8284, 12.0247 by changing the saturation by 10% instead.


 71.5242, 81.8284,
12.0247


 71.5242, 81.8284,
12.0247


455.0672,
501.0735, 215.5525


 53.0542, 61.2241,
6.6378


 120.3943,
135.9333, 30.2052

 38.0737, 44.4060,
3.1616


 151.5251,
170.2028, 43.8357


 26.2173, 30.9899,
1.1777


 187.6068,
209.7960, 61.0513

 17.1198, 20.5911,
0.0000

 229.0048,
255.0975, 82.2704

 10.4158, 12.8255,
0.0000

 276.0845,
306.4916, 107.9115

 5.7399, 7.3085,
0.0000

 329.2113,

 2.7267, 3.6558,

364.3627, 138.3932

0.0000

388.7504,
429.0952, 174.1340

■ 1.0109, 1.4829,
0.0000

■ 0.0000, 0.2767,
0.0000

■ 71.5242, 81.8284,
12.0247

■ 71.5242, 81.8284,
12.0247

■ 71.5252, 81.8309,
12.0252

■ 72.2308, 82.9520,
13.1545

■ 73.1767, 84.1766,
15.5267

■ 74.4357, 85.5349,
19.5218

■ 76.0519, 87.0444,
25.3718

■ 78.0623, 88.7202,
33.2716

■ 80.4992, 90.5749,
43.3912

■ 83.3916, 92.6204,
55.8828

■ 86.7657, 94.8672,
70.8854

■ 90.6461, 97.3249,
88.5272

Harmonies

Analogous

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



96.2318, 81.8284, 14.3253



71.5242, 81.8284, 12.0247



52.7736, 81.8284, 20.4857

Triad

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



71.5242, 81.8284, 12.0247



46.9343, 81.8284, 197.1781



128.5991, 81.8284, 147.8438

Complementary

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



71.5242, 81.8284, 12.0247



18.2670, 7.6536, 95.1215

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.



109.6394, 81.8284, 237.9273



71.5242, 81.8284, 12.0247



61.8440, 81.8284, 275.1414

Square

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



71.5242, 81.8284, 12.0247



40.5992, 81.8284, 108.7991



84.3807, 81.8284, 292.9854



132.6638, 81.8284, 71.9301

Rectangle

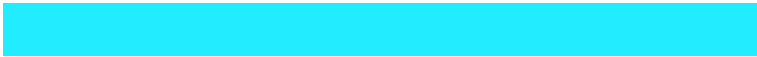
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.5242, 81.8284, 12.0247



44.9635, 81.8284, 36.0568



84.3807, 81.8284, 292.9854



123.5936, 81.8284, 178.3657

Sweetspot

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



71.5260, 81.8323, 12.0263



83.3881, 92.6184, 55.8653



41.3780, 21.3157, 2.6567



17.5753, 19.6344, 10.7666



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.



71.5260, 81.8323, 12.0263



71.5258, 81.8315, 12.0253



48.1112, 77.8868, 12.4989



19.4450, 20.8583, 19.1455



37.4203, 42.8518, 6.2990



3.6750, 4.2355, 0.6238

Inverse Universe

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



18.2670, 7.6536, 95.1215



18.2662, 7.6524, 95.1221



24.0261, 10.3013, 95.3290



17.1059, 17.5835, 22.7423



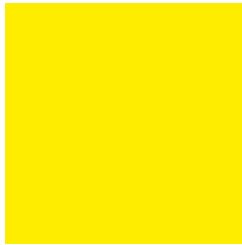
9.5819, 4.0733, 49.7158



0.9671, 0.4650, 4.8520

Previews

White Background



This preview shows how the XYZ color 71.5242, 81.8284, 12.0247 looks on a white background.

Color Contrast Check

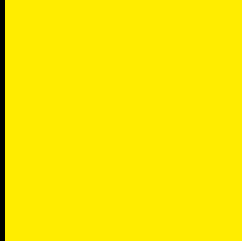
Large Text (above 18pt) WCAG AA × Fail

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 71.5242, 81.8284, 12.0247 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 71.5242, 81.8284, 12.0247

Background



This preview shows how black text looks on a background with the XYZ color 71.5242, 81.8284, 12.0247.



This preview shows how white text looks on a background with the XYZ color 71.5242, 81.8284,

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

71.5242, 81.8284, 12.0247



Protanopia

74.9659, 81.8269, 34.3973



Deuteranopia

79.6149, 81.8848, 64.4325



Tritanopia

83.5767, 81.7088, 90.7233

Trichromacy



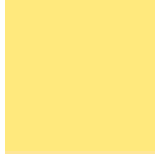
Original Color

71.5242, 81.8284, 12.0247



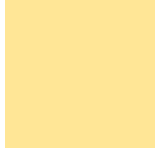
Protanomaly

72.5880, 81.3325, 20.4673



Deuteranomaly

74.0806, 81.0185, 31.1357



Tritanomaly

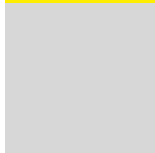
75.0418, 80.0556, 40.3513

Monochromacy



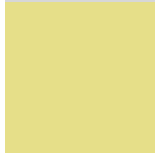
Original Color

71.5242, 81.8284, 12.0247



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

63.5362, 71.4045, 34.1006

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.5242, 81.8284, 12.0247 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, 237, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 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(255, 237, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 0) }
```

Border

The CSS property to change the border of an element to XYZ 71.5242, 81.8284, 12.0247 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, 237, 0) }
```


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

```
.border{ border-color:rgb(255, 237, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 237, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 71.5242, 81.8284, 12.0247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 237, 0) }
```

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

```
.background{ background-color: rgb(255,  
237, 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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