

Converting Colors

XYZ(71.6385, 82.0415, 12.1108)

Have a look what the booklet for
XYZ(71.6385, 82.0415, 12.1108)
contains.

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Color

**XYZ(71.5351, 81.8328,
12.0824)**

Conversions

Conversions Part 1

Format	Color
Hex	FFED02
RGB	255, 237, 2
RGB Percent	100%, 93%, 1%
CMY	0.0000, 0.0706, 0.9920
CMYK	0.00, 0.07, 0.99, 0.00
HSL	56°, 100%, 50%
HSV	56°, 99%, 100%
XYZ	71.5351, 81.8328, 12.0824
YIQ	215.5920, 86.1630, -69.2690

Conversions

Conversions Part 2

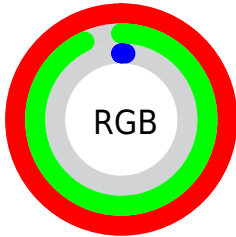
Format	Color
R _Y B	21, 255, 2
Decimal	16772354
CIE Lab	92.50, -12.87, 90.96
CIE LCh	93, 91.868, 98.051
Yxy	81.8328, 0.4324, 0.4946
Android (android.graphics.Color)	4294962434 (0xFFFFE02)
YUV	215.5920, -105.3009, 34.5608
Hunter-Lab	90.4615, -17.1534, 55.4040

Details

The XYZ color **71.5351, 81.8328, 12.0824** 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 **18.3259, 7.7342, 95.1338**, and the grayscale version is **65.6497, 69.0686, 75.2157**.

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 **71.4840, 81.7485, 12.0114**, and if you desaturate by 10%, it is **72.2577, 82.9695, 13.2759**.

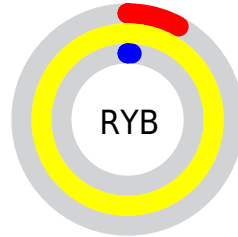
Distribution



Red (100%)

Green (93%)

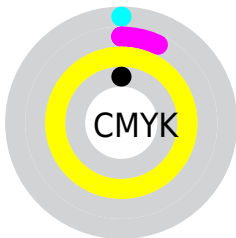
Blue (1%)



Red (8%)

Yellow (100%)

Blue (1%)

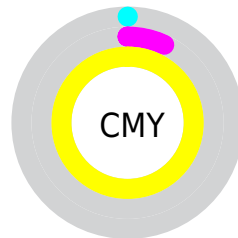


Cyan (0%)

Magenta (7%)

Yellow (99%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.5351, 81.8328, 12.0824 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 71.5351, 81.8328, 12.0824 by changing the saturation by 10% instead.


 71.5351, 81.8328,
12.0824

 71.5351, 81.8328,
12.0824


455.1046,
501.0882, 215.9473

 53.0631, 61.2277,
6.6766


 120.4097,
135.9395, 30.3117

 38.0808, 44.4090,
3.1853


 151.5430,
170.2099, 43.9723


 26.2229, 30.9922,
1.1900


 187.6275,
209.8042, 61.2216

 17.1240, 20.5929,
0.0000

 229.0285,
255.1069, 82.4782

 10.4188, 12.8267,
0.0000

 276.1113,
306.5022, 108.1604

 5.7419, 7.3093,
0.0000

 329.2414,

 2.7279, 3.6563,

364.3746, 138.6870

0.0000

388.7840,
429.1085, 174.4765

■ 1.0116, 1.4832,
0.0000

■ 0.0000, 0.2769,
0.0000

■ 71.5351, 81.8328,
12.0824

■ 71.5351, 81.8328,
12.0824

■ 71.4840, 81.7485,
12.0114

■ 72.2577, 82.9695,
13.2759

■ 73.2301, 84.2114,
15.7669

■ 74.5195, 85.5888,
19.9010

■ 76.1694, 87.1188,
25.9065

■ 78.2162, 88.8163,
33.9758

■ 80.6920, 90.6939,
44.2774

■ 83.6254, 92.7633,
56.9625

■ 87.0427, 95.0349,
72.1690

■ 90.9682, 97.5184,
90.0243

Harmonies

Analogous

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



96.2009, 81.8328, 14.3848



71.5351, 81.8328, 12.0824



52.8106, 81.8328, 20.5533

Triad

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



71.5351, 81.8328, 12.0824



46.9810, 81.8328, 196.9736



128.5093, 81.8328, 147.7260

Complementary

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



71.5351, 81.8328, 12.0824



18.3259, 7.7342, 95.1338

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.



109.5897, 81.8328, 237.5999



71.5351, 81.8328, 12.0824



61.8742, 81.8328, 274.7362

Square

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



71.5351, 81.8328, 12.0824



40.6504, 81.8328, 108.7805



84.3774, 81.8328, 292.5227



132.5631, 81.8328, 71.9525

Rectangle

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



71.5351, 81.8328, 12.0824



45.0094, 81.8328, 36.1260



84.3774, 81.8328, 292.5227



123.5149, 81.8328, 178.1803

Sweetspot

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



71.5369, 81.8367, 12.0840



83.3749, 92.5920, 55.8609



41.4174, 21.3662, 2.7577



17.5721, 19.6280, 10.7655



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.



71.5369, 81.8367, 12.0840



71.4847, 81.7494, 12.0116



48.2743, 77.9695, 12.5637



19.4441, 20.8564, 19.1452



37.3992, 42.8095, 6.2919



3.6732, 4.2318, 0.6232

Inverse Universe

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



18.3259, 7.7342, 95.1338



18.2685, 7.6571, 95.1228



24.1878, 10.4169, 95.3426



17.1067, 17.5851, 22.7426



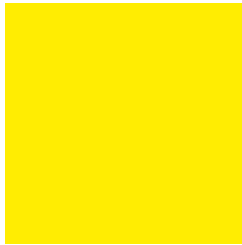
9.5833, 4.0761, 49.7163



0.9675, 0.4658, 4.8522

Previews

White Background



This preview shows how the XYZ color 71.5351, 81.8328, 12.0824 looks on a white background.

Color Contrast Check

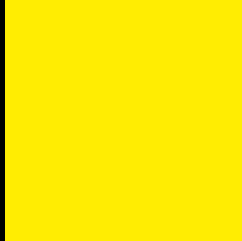
Large Text (above 18pt) WCAG AA × Fail

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 71.5351, 81.8328, 12.0824 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 71.5351, 81.8328, 12.0824

Background



This preview shows how black text looks on a background with the XYZ color 71.5351, 81.8328, 12.0824.



This preview shows how white text looks on a background with the XYZ color 71.5351, 81.8328,

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

71.5351, 81.8328, 12.0824

Protanopia

74.9659, 81.8269, 34.3973

Deuteranopia

79.6149, 81.8848, 64.4325



Tritanopia

83.5767, 81.7088, 90.7233

Trichromacy



Original Color

71.5351, 81.8328, 12.0824



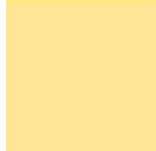
Protanomaly

72.6280, 81.3485, 20.6780



Deuteranomaly

74.1448, 81.0442, 31.4739



Tritanomaly

75.1227, 80.0880, 40.7773

Monochromacy



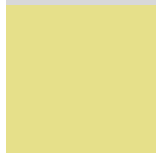
Original Color

71.5351, 81.8328, 12.0824



Achromatopsia

65.2694, 68.6685, 74.7800



Achromatomaly

63.8762, 71.9693, 34.5696

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.5351, 81.8328, 12.0824 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, 2)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 2)  
}
```

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, 2) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 71.5351, 81.8328, 12.0824 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, 2) }
```


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

```
.border{ border-color:rgb(255, 237, 2) }
```

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, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 2);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
2) }
```

Background

The CSS property to change the background color of an element to XYZ 71.5351, 81.8328, 12.0824 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, 2) }
```

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

```
.background{ background-color: rgb(255,  
237, 2) }
```

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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