

Converting Colors

XYZ(72.4094, 83.5987, 12.3198)

Have a look what the booklet for
XYZ(72.4094, 83.5987, 12.3198)
contains.

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Color

**XYZ(72.4001, 83.5802,
12.3167)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF000
RGB	255, 240, 0
RGB Percent	100%, 94%, 0%
CMY	0.0000, 0.0588, 0.9999
CMYK	0.00, 0.06, 1.00, 0.00
HSL	56°, 100%, 50%
HSV	56°, 100%, 100%
XYZ	72.4001, 83.5802, 12.3167
YIQ	217.1250, 85.9800, -71.4600

Conversions

Conversions Part 2

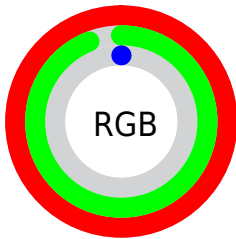
Format	Color
R _Y B	16, 255, 0
Decimal	16773120
CIE Lab	93.27, -14.35, 91.67
CIE LCh	93, 92.783, 98.895
Yxy	83.5802, 0.4302, 0.4966
Android (android.graphics.Color)	4294963200 (0xFFFFFFFF00)
YUV	217.1250, -107.0426, 33.2164
Hunter-Lab	91.4222, -18.6291, 56.0078

Details

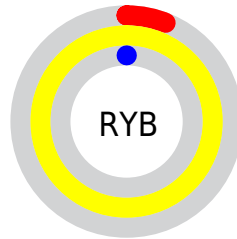
The XYZ color **72.4001, 83.5802, 12.3167** is a light color, and the websafe version is hex **FFFF33**, and the color name is **yellow rose**. The color can be described as light saturated yellow. A complement of this color would be **18.2215, 7.5626, 95.1063**, and the grayscale version is **66.7140, 70.1883, 76.4351**.

A 20% lighter version of the original color is **78.9758, 93.5703, 24.2543**, and **39.1328, 45.6184, 6.7427** is the 20% darker color. If you saturate the color by 10%, you get **72.4012, 83.5829, 12.3172**, and if you desaturate by 10%, it is **73.0264, 84.5431, 13.4198**.

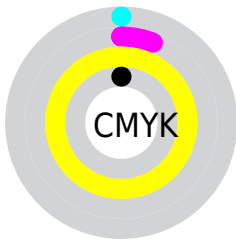
Distribution



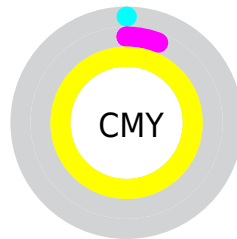
- Red (100%)
- Green (94%)
- Blue (0%)



- Red (6%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (6%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (6%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.4001, 83.5802, 12.3167 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 72.4001, 83.5802, 12.3167 by changing the saturation by 10% instead.


 72.4001, 83.5802,
12.3167

 72.4001, 83.5802,
12.3167


458.0691,
506.9181, 217.5426


 53.7722, 62.6689,
6.8346

 121.6329,
138.3878, 30.7436

 38.6495, 45.5734,
3.2820


 152.9686,
173.0529, 44.5255


 26.6667, 31.9093,
1.2404


 189.2708,
213.0713, 61.9110

 17.4583, 21.2922,
0.0122

 230.9051,
258.8276, 83.3187

 10.6591, 13.3378,
0.0000

 278.2367,
310.7060, 109.1672

 5.9037, 7.6616,
0.0000

 331.6310,

 2.8267, 3.8792,

369.0909, 139.8750

0.0000

391.4533,
434.3669, 175.8606

■ 1.0628, 1.6062,
0.0000

■ 0.0000, 0.3618,
0.0000

■ 72.4001, 83.5802,
12.3167

■ 72.4001, 83.5802,
12.3167

■ 72.4012, 83.5829,
12.3172

■ 73.0264, 84.5431,
13.4198

■ 73.8903, 85.6038,
15.7648

■ 75.0658, 86.7949,
19.7321

■ 76.5968, 88.1342,
25.5540

■ 78.5205, 89.6364,
33.4250

■ 80.8691, 91.3144,
43.5153

■ 83.6715, 93.1799,
55.9771

■ 86.9540, 95.2434,
70.9494

■ 90.7412, 97.5147,
88.5604

Harmonies

Analogous

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



97.5736, 83.5802, 14.3729



72.4001, 83.5802, 12.3167



53.4576, 83.5802, 21.3433

Triad

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



72.4001, 83.5802, 12.3167



48.2162, 83.5802, 204.2285



131.7831, 83.5802, 148.5146

Complementary

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



72.4001, 83.5802, 12.3167



18.2215, 7.5626, 95.1063

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.



112.7161, 83.5802, 240.8926



72.4001, 83.5802, 12.3167



63.7058, 83.5802, 282.9054

Square

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



72.4001, 83.5802, 12.3167



41.4981, 83.5802, 113.4179



86.9231, 83.5802, 298.9675



135.4385, 83.5802, 71.7577

Rectangle

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



72.4001, 83.5802, 12.3167



45.6410, 83.5802, 37.7162



86.9231, 83.5802, 298.9675



126.8010, 83.5802, 179.6400

Sweetspot

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



72.4020, 83.5842, 12.3184



83.6679, 93.1779, 55.9585



41.3415, 21.3012, 2.4643



17.6433, 19.7705, 10.7893



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.



72.4020, 83.5842, 12.3184



72.4018, 83.5835, 12.3173



47.3516, 77.4952, 12.4634



19.4644, 20.8969, 19.1520



37.8709, 43.7531, 6.4492



3.7141, 4.3135, 0.6368

Inverse Universe

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



18.2215, 7.5626, 95.1063



18.2207, 7.5615, 95.1069



24.5455, 10.5691, 95.3533



17.0887, 17.5490, 22.7366



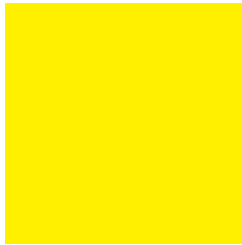
9.5540, 4.0176, 49.7065



0.9590, 0.4487, 4.8493

Previews

White Background



This preview shows how the XYZ color 72.4001, 83.5802, 12.3167 looks on a white background.

Color Contrast Check

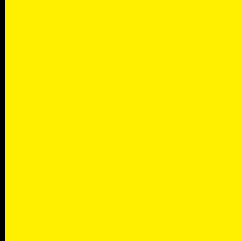
Large Text (above 18pt) WCAG AA × Fail

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 72.4001, 83.5802, 12.3167 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 72.4001, 83.5802, 12.3167

Background



This preview shows how black text looks on a background with the XYZ color 72.4001, 83.5802, 12.3167.



This preview shows how white text looks on a background with the XYZ color 72.4001, 83.5802,

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



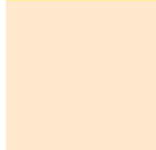
Original Color

72.4001, 83.5802, 12.3167



Protanopia

76.8214, 83.4853, 41.3435



Deuteranopia

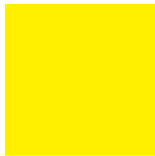
80.8761, 83.2850, 68.3129



Tritanopia

84.6919, 83.4717, 92.5368

Trichromacy



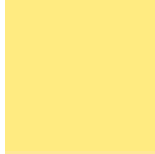
Original Color

72.4001, 83.5802, 12.3167



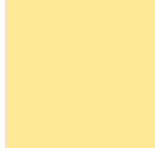
Protanomaly

73.6355, 82.6729, 23.1428



Deuteranomaly

74.9108, 82.2616, 32.6987



Tritanomaly

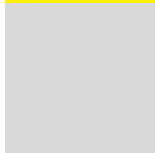
75.9648, 81.7722, 41.0580

Monochromacy



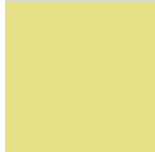
Original Color

72.4001, 83.5802, 12.3167



Achromatopsia

65.9525, 69.3872, 75.5626



Achromatomaly

64.4677, 72.6743, 34.6745

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.4001, 83.5802, 12.3167 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, 240, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 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, 240, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 0) }
```

Border

The CSS property to change the border of an element to XYZ 72.4001, 83.5802, 12.3167 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, 240, 0) }
```


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

```
.border{ border-color:rgb(255, 240, 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, 240, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 72.4001, 83.5802, 12.3167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 240, 0) }
```

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

```
.background{ background-color: rgb(255,  
240, 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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