

Converting Colors

XYZ(72.3381, 83.4028, 12.4606)

Have a look what the booklet for
XYZ(72.3381, 83.4028, 12.4606)
contains.

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Color

**XYZ(72.4330, 83.5933,
12.4898)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF006
RGB	255, 240, 6
RGB Percent	100%, 94%, 2%
CMY	0.0000, 0.0588, 0.9763
CMYK	0.00, 0.06, 0.98, 0.00
HSL	56°, 100%, 51%
HSV	56°, 98%, 100%
XYZ	72.4330, 83.5933, 12.4898
YIQ	217.8090, 84.0540, -69.5940

Conversions

Conversions Part 2

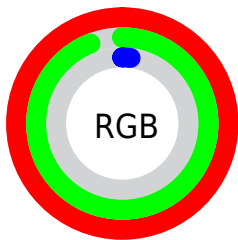
Format	Color
R _Y B	22, 255, 6
Decimal	16773126
CIE Lab	93.27, -14.30, 91.23
CIE LCh	93, 92.340, 98.910
Yxy	83.5933, 0.4298, 0.4961
Android (android.graphics.Color)	4294963206 (0xFFFFF006)
YUV	217.8090, -104.4218, 32.6165
Hunter-Lab	91.4294, -18.5885, 55.9012

Details

The XYZ color **72.4330, 83.5933, 12.4898** 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 **18.3941, 7.7963, 95.1425**, and the grayscale version is **67.1702, 70.6682, 76.9577**.

A 20% lighter version of the original color is **79.0656, 93.6062, 24.7271**, and **39.1328, 45.6184, 6.7427** is the 20% darker color. If you saturate the color by 10%, you get **72.2949, 83.3702, 12.2817**, and if you desaturate by 10%, it is **73.1103, 84.5938, 13.8086**.

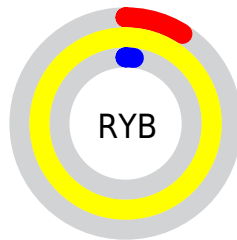
Distribution



Red (100%)

Green (94%)

Blue (2%)



Red (9%)

Yellow (100%)

Blue (2%)

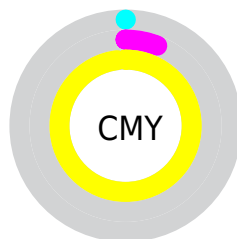


Cyan (0%)

Magenta (6%)

Yellow (98%)

Black (0%)



Cyan (0%)


Magenta (6%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.4330, 83.5933, 12.4898 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 72.4330, 83.5933, 12.4898 by changing the saturation by 10% instead.


 72.4330, 83.5933,
12.4898

 72.4330, 83.5933,
12.4898


458.1816,
506.9617, 218.7132


 53.7992, 62.6797,
6.9516


 121.6794,
138.4061, 31.0617

 38.6712, 45.5821,
3.3539


 153.0227,
173.0741, 44.9325


 26.6836, 31.9162,
1.2780


 189.3333,
213.0958, 62.4179

 17.4711, 21.2975,
0.0437

 230.9764,
258.8554, 83.9365

 10.6683, 13.3416,
0.0000

 278.3174,
310.7374, 109.9068

 5.9099, 7.6642,
0.0000

 331.7217,

 2.8305, 3.8809,

369.1262, 140.7473

0.0000

391.5547,
434.4062, 176.8766

■ 1.0648, 1.6071,
0.0000

■ 0.0000, 0.3624,
0.0000

■ 72.4330, 83.5933,
12.4898

■ 72.4330, 83.5933,
12.4898


■ 72.2949, 83.3702,
12.2817


■ 73.1103, 84.5938,
13.8086


■ 74.0531, 85.7035,
16.5150


■ 75.3188, 86.9485,
20.9029


■ 76.9496, 88.3456,
27.1940

 78.9810, 89.9093,
35.5762

 81.4446, 91.6520,
46.2150

 84.3687, 93.5850,
59.2592

 87.7790, 95.7188,
74.8449

 91.6996, 98.0630,
93.0982

Harmonies

Analogous

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



97.4823, 83.5933, 14.5490



72.4330, 83.5933, 12.4898



53.5679, 83.5933, 21.5476

Triad

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



72.4330, 83.5933, 12.4898



48.3557, 83.5933, 203.6098



131.5140, 83.5933, 148.1690

Complementary

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



72.4330, 83.5933, 12.4898



18.3941, 7.7963, 95.1425

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.



112.5663, 83.5933, 239.9234



72.4330, 83.5933, 12.4898



63.7961, 83.5933, 281.6893

Square

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



72.4330, 83.5933, 12.4898



41.6512, 83.5933, 113.3596



86.9124, 83.5933, 297.5883



135.1379, 83.5933, 71.8250

Rectangle

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



72.4330, 83.5933, 12.4898



45.7779, 83.5933, 37.9255



86.9124, 83.5933, 297.5883



126.5647, 83.5933, 179.0942

Sweetspot

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



72.4349, 83.5973, 12.4915



83.9414, 93.3098, 57.3294



41.4562, 21.4513, 2.7470



17.6935, 19.7930, 11.0462



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.



72.4349, 83.5973, 12.4915



72.2954, 83.3708, 12.2818



47.8461, 77.7465, 12.6581



19.4620, 20.8922, 19.1512



37.8162, 43.6436, 6.4309



3.7093, 4.3040, 0.6353

Inverse Universe

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



18.3941, 7.7963, 95.1425



18.2259, 7.5718, 95.1086



25.0444, 10.9230, 95.3955



17.0908, 17.5532, 22.7373



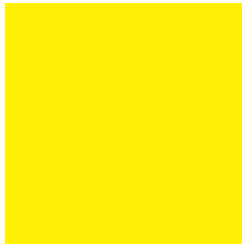
9.5572, 4.0240, 49.7076



0.9600, 0.4507, 4.8497

Previews

White Background



This preview shows how the XYZ color 72.4330, 83.5933, 12.4898 looks on a white background.

Color Contrast Check

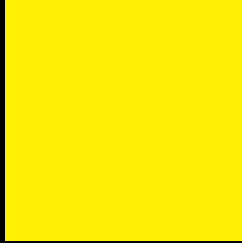
Large Text (above 18pt) WCAG AA × Fail

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 72.4330, 83.5933, 12.4898 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 72.4330, 83.5933, 12.4898

Background



This preview shows how black text looks on a background with the XYZ color 72.4330, 83.5933, 12.4898.



This preview shows how white text looks on a background with the XYZ color 72.4330, 83.5933,

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

72.4330, 83.5933, 12.4898



Protanopia

76.8214, 83.4853, 41.3435



Deuteranopia

80.8761, 83.2850, 68.3129



Tritanopia

84.6919, 83.4717, 92.5368

Trichromacy



Original Color

72.4330, 83.5933, 12.4898



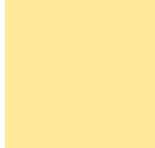
Protanomaly

73.7288, 82.7102, 23.6340



Deuteranomaly

75.0451, 82.3154, 33.4059



Tritanomaly

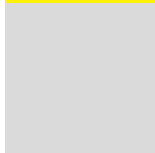
76.2116, 81.8709, 42.3577

Monochromacy



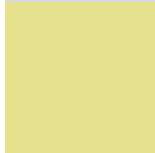
Original Color

72.4330, 83.5933, 12.4898



Achromatopsia

66.6397, 70.1102, 76.3500



Achromatomaly

64.9591, 73.3047, 35.9248

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.4330, 83.5933, 12.4898 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, 6)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 6)  
}
```

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, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 6) }
```

Border

The CSS property to change the border of an element to XYZ 72.4330, 83.5933, 12.4898 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, 6) }
```


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

```
.border{ border-color:rgb(255, 240, 6) }
```

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, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 6);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
6) }
```

Background

The CSS property to change the background color of an element to XYZ 72.4330, 83.5933, 12.4898 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, 6) }
```

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

```
.background{ background-color: rgb(255,  
240, 6) }
```

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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