

Converting Colors

XYZ(72.1282, 83.1672, 15.3871)

Have a look what the booklet for
XYZ(72.1282, 83.1672, 15.3871)
contains.

| | |
|--|----|
| XYZ(72.2656, 83.4418, 15.4290) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(72.2656, 83.4418,
15.4290)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FDF033 |
| RGB | 253, 240, 51 |
| RGB Percent | 99%, 94%, 20% |
| CMY | 0.0078, 0.0588, 0.8000 |
| CMYK | 0.00, 0.05, 0.80, 0.01 |
| HSL | 56°, 98%, 60% |
| HSV | 56°, 80%, 99% |
| XYZ | 72.2656, 83.4418, 15.4290 |
| YIQ | 222.3410, 68.4170, -56.0230 |

Conversions

Conversions Part 2

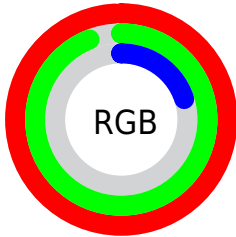
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 65, 253, 51 |
| Decimal | 16642099 |
| CIE Lab | 93.21, -14.37, 84.02 |
| CIE LCh | 93, 85.239, 99.705 |
| Yxy | 83.4418, 0.4223, 0.4876 |
| Android (android.graphics.Color) | 4294832179 (0xFFFD033) |
| YUV | 222.3410, -84.4711, 26.8879 |
| Hunter-Lab | 91.3465, -18.6423, 53.9281 |

Details

The XYZ color **72.2656, 83.4418, 15.4290** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **20.9286, 11.4627, 94.0372**, and the grayscale version is **70.2198, 73.8767, 80.4518**.

A 20% lighter version of the original color is **80.0945, 94.0178, 30.1455**, and **38.8787, 45.4874, 6.7308** is the 20% darker color. If you saturate the color by 10%, you get **71.3760, 82.3260, 13.0889**, and if you desaturate by 10%, it is **73.4663, 84.6952, 19.3696**.

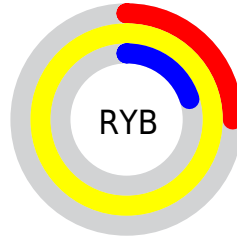
Distribution



Red (99%)

Green (94%)

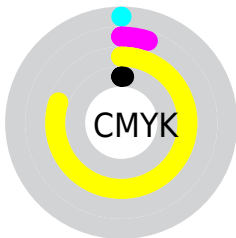
Blue (20%)



Red (25%)

Yellow (99%)

Blue (20%)

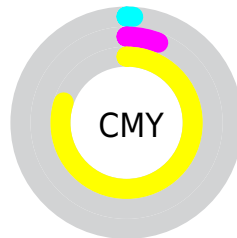


Cyan (0%)

Magenta (5%)

Yellow (80%)

Black (1%)



Cyan (1%)


Magenta (6%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.2656, 83.4418, 15.4290 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 72.2656, 83.4418, 15.4290 by changing the saturation by 10% instead.


 72.2656, 83.4418,
15.4290

 72.2656, 83.4418,
15.4290


457.6088,
506.4577, 237.6779


 53.6619, 62.5547,
8.9711


 121.4428,
138.1941, 36.3569


 38.5610, 45.4810,
4.6258


 152.7471,
172.8280, 51.6640


 26.5976, 31.8365,
1.9745


 189.0156,
212.8130, 70.7578

 17.4063, 21.2366,
0.5396

 230.6136,
258.5335, 94.0570

 10.6217, 13.2971,
0.0000

 277.9066,
310.3738, 121.9801

 5.8784, 7.6334,
0.0000

331.2599,

 2.8113, 3.8613,

368.7183, 154.9456

0.0000

391.0389,
433.9515, 193.3720

■ 1.0548, 1.5963,
0.0000

■ 0.0000, 0.3551,
0.0000

■ 72.2656, 83.4418,
15.4290

■ 72.2656, 83.4418,
15.4290

■ 71.3760, 82.3260,
13.0889

■ 73.4663, 84.6952,
19.3696


■ 70.7224, 81.3083,
11.9783


■ 75.0155, 86.0918,
25.1324


■ 70.7126, 81.2922,
11.9640

■ 76.9512, 87.6499,
32.9097


■ 79.3052, 89.3822,
42.8679

 82.1058, 91.3001,
55.1562

 85.3787, 93.4139,
69.9108

 89.1479, 95.7332,
87.2571

 93.4357, 98.2669,
107.3123

 94.2070, 99.4011,
108.8288

Harmonies

Analogous

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



95.2114, 83.4418, 17.3082



72.2656, 83.4418, 15.4290



54.8465, 83.4418, 25.1484

Triad

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



72.2656, 83.4418, 15.4290



50.5655, 83.4418, 194.6738



126.9702, 83.4418, 140.7251

Complementary

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



72.2656, 83.4418, 15.4290



20.9286, 11.4627, 94.0372

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.



110.1393, 83.4418, 222.6853



72.2656, 83.4418, 15.4290



65.2838, 83.4418, 262.6778

Square

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



72.2656, 83.4418, 15.4290



43.9703, 83.4418, 113.2817



86.7957, 83.4418, 274.8234



129.8078, 83.4418, 71.6008

Rectangle

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



72.2656, 83.4418, 15.4290



47.6216, 83.4418, 41.7417



86.7957, 83.4418, 274.8234



122.6291, 83.4418, 168.3960

Sweetspot

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



72.2675, 83.4457, 15.4307



85.4722, 94.1801, 64.5950



42.6309, 23.6265, 7.2351



18.0440, 19.9957, 12.6990



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.



72.2675, 83.4457, 15.4307



72.2368, 83.1643, 12.5379



51.3377, 78.5389, 15.5867



19.4553, 20.8788, 19.1489



37.6586, 43.3284, 6.3784



3.6957, 4.2767, 0.6307

Inverse Universe

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



20.9286, 11.4627, 94.0372



18.5459, 8.0222, 95.1787



29.4841, 14.9095, 94.2516



17.0968, 17.5652, 22.7393



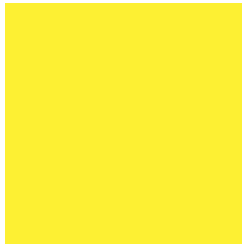
9.5667, 4.0429, 49.7107



0.9628, 0.4563, 4.8506

Previews

White Background



This preview shows how the XYZ color 72.2656, 83.4418, 15.4290 looks on a white background.

Color Contrast Check

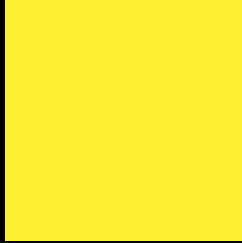
Large Text (above 18pt) WCAG AA × Fail

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 72.2656, 83.4418, 15.4290 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 72.2656, 83.4418, 15.4290

Background



This preview shows how black text looks on a background with the XYZ color 72.2656, 83.4418, 15.4290.

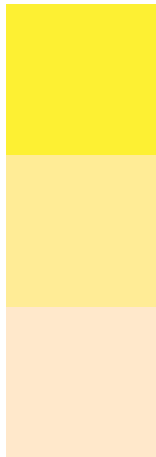


This preview shows how white text looks on a background with the XYZ color 72.2656, 83.4418,

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

72.2656, 83.4418, 15.4290

Protanopia

76.7405, 83.4529, 40.9175

Deuteranopia

80.8761, 83.2850, 68.3129



Tritanopia

84.5634, 82.9788, 93.2209

Trichromacy



Original Color

72.2656, 83.4418, 15.4290



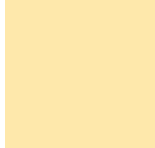
Protanomaly

74.1945, 82.8541, 28.0016



Deuteranomaly

75.9267, 82.6256, 39.9635



Tritanomaly

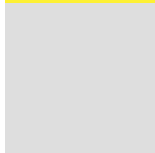
77.0803, 81.7243, 50.2399

Monochromacy



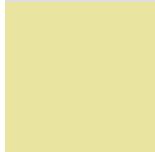
Original Color

72.2656, 83.4418, 15.4290



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

67.9687, 75.9003, 44.3256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.2656, 83.4418, 15.4290 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(253, 240, 51)` looks like.

```
.text, #text, p{  
    color:rgb(253, 240, 51)  
}
```

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(253, 240, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 240, 51) }
```

Border

The CSS property to change the border of an element to XYZ 72.2656, 83.4418, 15.4290 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(253, 240, 51) }
```


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

```
.border{ border-color:rgb(253, 240, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 240, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 240, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 240, 51);  
box-shadow:4px 4px 4px 4px rgb(253, 240,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 72.2656, 83.4418, 15.4290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 240, 51) }
```

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

```
.background{ background-color: rgb(253,  
240, 51) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor