

Converting Colors

XYZ(72.7115, 83.6202, 17.7768)

Have a look what the booklet for XYZ(72.7115, 83.6202, 17.7768) contains.

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Color

**XYZ(72.7115, 83.6202,
17.7768)**

Conversions

Conversions Part 1

Format	Color
Hex	FDF044
RGB	253, 240, 68
RGB Percent	99%, 94%, 27%
CMY	0.0078, 0.0588, 0.7333
CMYK	0.00, 0.05, 0.73, 0.01
HSL	56°, 98%, 63%
HSV	56°, 73%, 99%
XYZ	72.7115, 83.6202, 17.7768
YIQ	224.2790, 62.9600, -50.7360

Conversions

Conversions Part 2

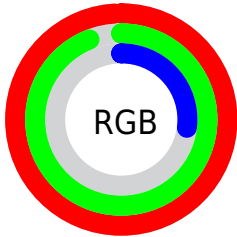
Format	Color
RYB	82, 253, 68
Decimal	16642116
CIELab	93.29, -13.77, 79.11
CIELCh	93, 80.302, 99.872
Yxy	83.6202, 0.4176, 0.4803
Android (android.graphics.Color)	4294832196 (0xFFFD044)
YUV	224.2790, -77.0455, 25.1883
Hunter-Lab	91.4441, -18.0934, 52.4848

Details

The XYZ color **72.7115, 83.6202, 17.7768** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light washed yellow. A complement of this color would be **23.0562, 14.2056, 94.4547**, and the grayscale version is **71.5560, 75.2825, 81.9826**.

A 20% lighter version of the original color is **80.8308, 94.3123, 34.0225**, and **38.8787, 45.4874, 6.7308** is the 20% darker color. If you saturate the color by 10%, you get **71.5800, 82.3378, 14.3775**, and if you desaturate by 10%, it is **74.1849, 85.0538, 22.9342**.

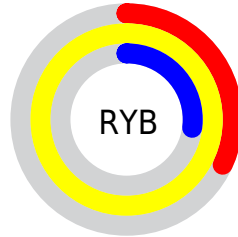
Distribution



Red (99%)

Green (94%)

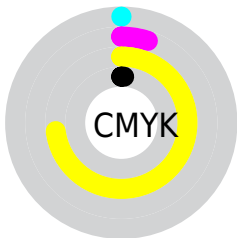
Blue (27%)



Red (32%)

Yellow (99%)

Blue (27%)

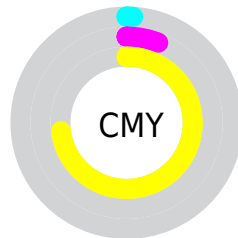


Cyan (0%)

Magenta (5%)

Yellow (73%)

Black (1%)



Cyan (1%)


Magenta (6%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.7115, 83.6202, 17.7768 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 72.7115, 83.6202, 17.7768 by changing the saturation by 10% instead.


 72.7115, 83.6202,
17.7768


 72.7115, 83.6202,
17.7768


459.1336,
507.0512, 251.8037

 54.0276, 62.7019,
10.6221


 122.0729,
138.4438, 40.4654


 38.8545, 45.6001,
5.7024


 153.4811,
173.1178, 56.8364


 26.8268, 31.9304,
2.5991


 189.8616,
213.1460, 77.1165

 17.5791, 21.3083,
0.8920

 231.5795,
258.9125, 101.7244

 10.7461, 13.3496,
0.0000

 279.0003,
310.8019, 131.0785

 5.9624, 7.6697,
0.0000

332.4894,

 2.8627, 3.8843,

369.1986, 165.5974

0.0000

392.4120,
434.4869, 205.6996

■ 1.0816, 1.6091,
0.0000

■ 0.0096, 0.3637,
0.0000

■ 72.7115, 83.6202,
17.7768

■ 72.7115, 83.6202,
17.7768

■ 71.5800, 82.3378,
14.3775

■ 74.1849, 85.0538,
22.9342


■ 70.7382, 81.1764,
12.4875


■ 76.0325, 86.6422,
30.0452


■ 70.2821, 80.4313,
11.8205


■ 78.2892, 88.4024,
39.2850


■ 80.9843, 90.3463,
50.8078

 84.1443, 92.4844,
64.7537

 87.7938, 94.8266,
81.2515

 91.9556, 97.3821,
100.4208

 94.0700, 99.1270,
108.7831

 94.3177, 99.6225,
108.8657

Harmonies

Analogous

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



94.3023, 83.6202, 19.6518



72.7115, 83.6202, 17.7768



56.1651, 83.6202, 27.7432

Triad

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



72.7115, 83.6202, 17.7768



52.1867, 83.6202, 187.9198



124.0768, 83.6202, 137.2684

Complementary

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



72.7115, 83.6202, 17.7768



23.0562, 14.2056, 94.4547

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.



108.4872, 83.6202, 212.7967



72.7115, 83.6202, 17.7768



66.2958, 83.6202, 249.9160

Square

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



72.7115, 83.6202, 17.7768



45.7828, 83.6202, 112.4997



86.6528, 83.6202, 260.6240



126.6248, 83.6202, 72.5131

Rectangle

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



72.7115, 83.6202, 17.7768



49.2518, 83.6202, 44.2265



86.6528, 83.6202, 260.6240



120.0718, 83.6202, 162.8674

Sweetspot

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



72.7134, 83.6241, 17.7785



86.0531, 94.4107, 67.6596



44.1529, 25.6486, 10.8929



18.2186, 20.0757, 13.5870



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.



72.7134, 83.6241, 17.7785



72.4189, 83.2304, 13.5171



54.0548, 79.8882, 18.0408



19.4456, 20.8594, 19.1457



37.4330, 42.8773, 6.3032



3.6761, 4.2377, 0.6242

Inverse Universe

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



23.0562, 14.2056, 94.4547



19.5942, 9.4874, 95.4063



31.4893, 17.2544, 94.5987



17.1054, 17.5825, 22.7422



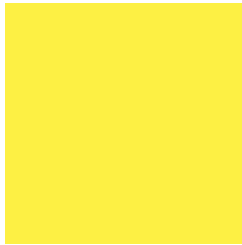
9.5810, 4.0716, 49.7155



0.9669, 0.4645, 4.8520

Previews

White Background



This preview shows how the XYZ color 72.7115, 83.6202, 17.7768 looks on a white background.

Color Contrast Check

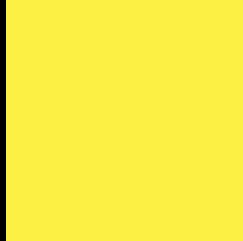
Large Text (above 18pt) WCAG AA × Fail

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 72.7115, 83.6202, 17.7768 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 72.7115, 83.6202, 17.7768

Background



This preview shows how black text looks on a background with the XYZ color 72.7115, 83.6202, 17.7768.

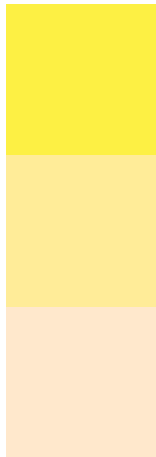


This preview shows how white text looks on a background with the XYZ color 72.7115, 83.6202,

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

72.7115, 83.6202, 17.7768

Protanopia

76.9029, 83.5179, 41.7731

Deuteranopia

80.9957, 83.3329, 68.9427



Tritanopia

84.8393, 83.5306, 93.3129

Trichromacy



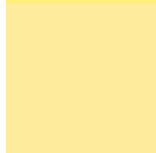
Original Color

72.7115, 83.6202, 17.7768



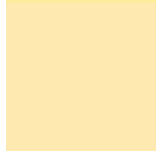
Protanomaly

74.6084, 83.0197, 30.1813



Deuteranomaly

76.4978, 82.8541, 42.9709



Tritanomaly

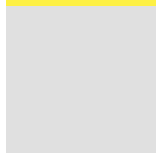
77.9478, 82.5230, 53.4152

Monochromacy



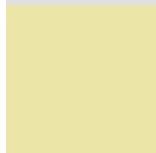
Original Color

72.7115, 83.6202, 17.7768



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

69.5328, 77.0458, 47.7658

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.7115, 83.6202, 17.7768 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, 68)` looks like.

```
.text, #text, p{  
    color:rgb(253, 240, 68)  
}
```

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, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 240, 68) }
```

Border

The CSS property to change the border of an element to XYZ 72.7115, 83.6202, 17.7768 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, 68) }
```


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

```
.border{ border-color:rgb(253, 240, 68) }
```

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, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 240, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 240, 68);  
box-shadow:4px 4px 4px 4px rgb(253, 240,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 72.7115, 83.6202, 17.7768 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, 68) }
```

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

```
.background{ background-color: rgb(253,  
240, 68) }
```

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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