

Converting Colors

XYZ(72.7293, 83.8293, 17.2049)

Have a look what the booklet for
XYZ(72.7293, 83.8293, 17.2049)
contains.

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Color

**XYZ(72.5935, 83.5730,
17.1556)**

Conversions

Conversions Part 1

Format	Color
Hex	FDF040
RGB	253, 240, 64
RGB Percent	99%, 94%, 25%
CMY	0.0078, 0.0588, 0.7490
CMYK	0.00, 0.05, 0.75, 0.01
HSL	56°, 98%, 62%
HSV	56°, 75%, 99%
XYZ	72.5935, 83.5730, 17.1556
YIQ	223.8230, 64.2440, -51.9800

Conversions

Conversions Part 2

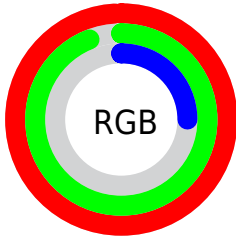
Format	Color
RYB	78, 253, 64
Decimal	16642112
CIELab	93.26, -13.93, 80.37
CIELCh	93, 81.563, 99.831
Yxy	83.5730, 0.4188, 0.4822
Android (android.graphics.Color)	4294832192 (0xFFFD040)
YUV	223.8230, -78.7927, 25.5882
Hunter-Lab	91.4183, -18.2385, 52.8664

Details

The XYZ color **72.5935, 83.5730, 17.1556** 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 **22.4981, 13.4897, 94.3458**, and the grayscale version is **71.2403, 74.9503, 81.6209**.

A 20% lighter version of the original color is **80.6381, 94.2352, 33.0079**, and **38.8787, 45.4874, 6.7308** is the 20% darker color. If you saturate the color by 10%, you get **71.5216, 82.3320, 14.0162**, and if you desaturate by 10%, it is **74.0004, 84.9621, 22.0180**.

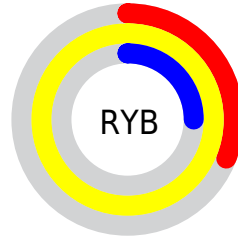
Distribution



Red (99%)

Green (94%)

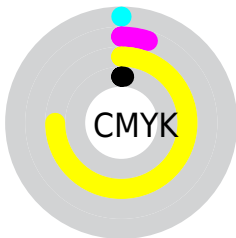
Blue (25%)



Red (31%)

Yellow (99%)

Blue (25%)

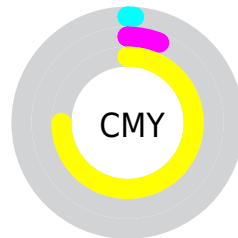


Cyan (0%)

Magenta (5%)

Yellow (75%)

Black (1%)



Cyan (1%)

Magenta (6%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.5935, 83.5730, 17.1556 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 72.5935, 83.5730, 17.1556 by changing the saturation by 10% instead.

72.5935, 83.5730,
17.1556

72.5935, 83.5730,
17.1556

458.7304,
506.8942, 248.1417

53.9308, 62.6630,
10.1824

121.9062,
138.3777, 39.3874

38.7768, 45.5686,
5.4129

153.2869,
173.0412, 55.4831

26.7661, 31.9055,
2.4285

189.6378,
213.0579, 75.4566

17.5333, 21.2894,
0.8019

231.3240,
258.8123, 99.7266

10.7131, 13.3357,
0.0000

278.7110,
310.6887, 128.7116

5.9401, 7.6601,
0.0000

332.1642,

2.8490, 3.8782,

369.0715, 162.8301

0.0000

392.0489,
434.3453, 202.5006

■ 1.0744, 1.6057,
0.0000

■ 0.0036, 0.3614,
0.0000

■ 72.5935, 83.5730,
17.1556

■ 72.5935, 83.5730,
17.1556

■ 71.5216, 82.3320,
14.0162

■ 74.0004, 84.9621,
22.0180

■ 70.7308, 81.2082,
12.3415

■ 75.7757, 86.5033,
28.8043

■ 70.3900, 80.6471,
11.8565

■ 77.9548, 88.2140,
37.6932

■ 80.5678, 90.1060,
48.8418

■ 83.6414, 92.1903,
62.3921

■ 87.2006, 94.4768,
78.4745

■ 91.2682, 96.9746,
97.2100

■ 93.9744, 98.9359,
108.7513

■ 94.3177, 99.6225,
108.8657

Harmonies

Analogous

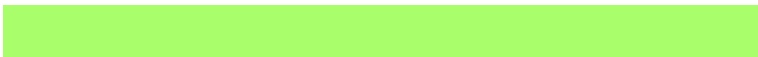
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.5295, 83.5730, 19.0325



72.5935, 83.5730, 17.1556



55.8234, 83.5730, 27.0654

Triad

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



72.5935, 83.5730, 17.1556



51.7693, 83.5730, 189.6372



124.8111, 83.5730, 138.1345

Complementary

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



72.5935, 83.5730, 17.1556



22.4981, 13.4897, 94.3458

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.



108.9084, 83.5730, 215.2832



72.5935, 83.5730, 17.1556



66.0371, 83.5730, 253.1383

Square

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



72.5935, 83.5730, 17.1556



45.3143, 83.5730, 112.7058



86.6905, 83.5730, 264.1983



127.4304, 83.5730, 72.2714

Rectangle

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



72.5935, 83.5730, 17.1556



48.8297, 83.5730, 43.5855



86.6905, 83.5730, 264.1983



120.7216, 83.5730, 164.2560

Sweetspot

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



72.5954, 83.5769, 17.1573



86.0792, 94.4629, 67.6683



43.7805, 25.1256, 10.0845



18.2248, 20.0882, 13.5891



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.



72.5954, 83.5769, 17.1573



72.3527, 83.1960, 13.1933



53.5625, 79.6479, 17.4021



19.4480, 20.8642, 19.1465



37.4896, 42.9904, 6.3221



3.6811, 4.2475, 0.6258

Inverse Universe

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



22.4981, 13.4897, 94.3458



19.2659, 9.0382, 95.3369



30.8484, 16.5770, 94.5016



17.1033, 17.5781, 22.7414



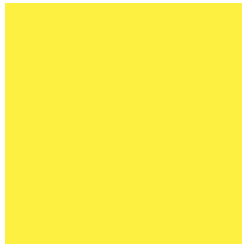
9.5773, 4.0642, 49.7143



0.9659, 0.4625, 4.8516

Previews

White Background



This preview shows how the XYZ color 72.5935, 83.5730, 17.1556 looks on a white background.

Color Contrast Check

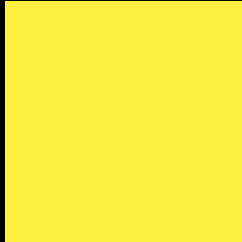
Large Text (above 18pt) WCAG AA × Fail

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 72.5935, 83.5730, 17.1556 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 72.5935, 83.5730, 17.1556

Background



This preview shows how black text looks on a background with the XYZ color 72.5935, 83.5730, 17.1556.



This preview shows how white text looks on a background with the XYZ color 72.5935, 83.5730,

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

72.5935, 83.5730, 17.1556

Protanopia

76.8214, 83.4853, 41.3435

Deuteranopia

80.9957, 83.3329, 68.9427



Tritanopia

84.8393, 83.5306, 93.3129

Trichromacy



Original Color

72.5935, 83.5730, 17.1556



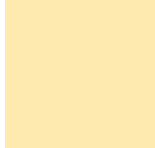
Protanomaly

74.4870, 82.9711, 29.5419



Deuteranomaly

76.3312, 82.7874, 42.0935



Tritanomaly

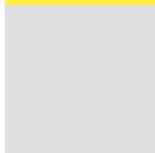
77.7498, 82.4438, 52.3728

Monochromacy



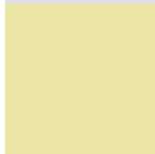
Original Color

72.5935, 83.5730, 17.1556



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

69.4407, 77.0090, 47.2807

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.5935, 83.5730, 17.1556 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, 64)` looks like.

```
.text, #text, p{  
    color:rgb(253, 240, 64)  
}
```

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, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 240, 64) }
```

Border

The CSS property to change the border of an element to XYZ 72.5935, 83.5730, 17.1556 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, 64) }
```


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

```
.border{ border-color:rgb(253, 240, 64) }
```

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, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 240, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 240, 64);  
box-shadow:4px 4px 4px 4px rgb(253, 240,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 72.5935, 83.5730, 17.1556 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, 64) }
```

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

```
.background{ background-color: rgb(253,  
240, 64) }
```

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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