

Converting Colors

XYZ(72.8727, 86.1089, 15.1483)

Have a look what the booklet for
XYZ(72.8727, 86.1089, 15.1483)
contains.

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Color

**XYZ(72.8907, 85.9959,
15.1400)**

Conversions

Conversions Part 1

Format	Color
Hex	FBF52C
RGB	251, 245, 44
RGB Percent	98%, 96%, 17%
CMY	0.0157, 0.0392, 0.8274
CMYK	0.00, 0.02, 0.82, 0.02
HSL	58°, 96%, 58%
HSV	58°, 82%, 98%
XYZ	72.8907, 85.9959, 15.1400
YIQ	223.8800, 68.0970, -61.2390

Conversions

Conversions Part 2

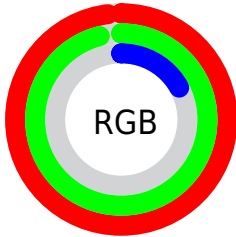
Format	Color
RYB	50, 251, 44
Decimal	16512300
CIELab	94.31, -17.81, 86.58
CIELCh	94, 88.390, 101.625
Yxy	85.9959, 0.4188, 0.4942
Android (android.graphics.Color)	4294702380 (0xFFFBF52C)
YUV	223.8800, -88.6808, 23.7842
Hunter-Lab	92.7340, -21.9800, 55.2339

Details

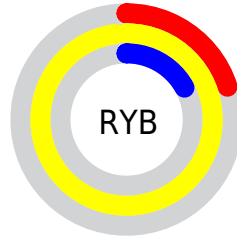
The XYZ color **72.8907, 85.9959, 15.1400** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **19.5924, 9.7822, 92.1216**, and the grayscale version is **71.3482, 75.0638, 81.7445**.

A 20% lighter version of the original color is **79.8692, 93.9277, 28.9592**, and **39.4328, 47.3423, 7.0597** is the 20% darker color. If you saturate the color by 10%, you get **72.3352, 85.4259, 13.2885**, and if you desaturate by 10%, it is **73.7357, 86.6896, 18.4948**.

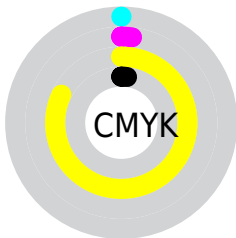
Distribution



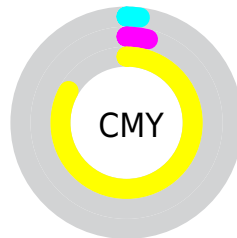
- Red (98%)
- Green (96%)
- Blue (17%)



- Red (20%)
- Yellow (98%)
- Blue (17%)



- Cyan (0%)
- Magenta (2%)
- Yellow (82%)
- Black (2%)





- Cyan (2%)
- Magenta (4%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.8907, 85.9959, 15.1400 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 72.8907, 85.9959, 15.1400 by changing the saturation by 10% instead.


 72.8907, 85.9959,
15.1400


 72.8907, 85.9959,
15.1400


459.7456,
514.9177, 235.8819


 54.1747, 64.6646,
8.7700

 122.3260,
141.7638, 35.8444


 38.9725, 47.1892,
4.4967


 153.7760,
176.9691, 51.0158


 26.9190, 33.1852,
1.9016


 190.2013,
217.5679, 69.9581

 17.6487, 22.2684,
0.4937

 231.9673,
263.9446, 93.0899

 10.7962, 14.0542,
0.0000

 279.4394,
316.4835, 120.8296

 5.9962, 8.1584,
0.0000

332.9829,

 2.8834, 4.1965,

375.5690, 153.5958

0.0000

392.9632,
441.5857, 191.8071

■ 1.0924, 1.7841,
0.0000

■ 0.0188, 0.4772,
0.0000

■ 72.8907, 85.9959,
15.1400

■ 72.8907, 85.9959,
15.1400

■ 72.3352, 85.4259,
13.2885

■ 73.7357, 86.6896,
18.4948


■ 72.0537, 85.0497,
12.6186


■ 74.9091, 87.5128,
23.5829


■ 76.4497, 88.4843,
30.6006


■ 78.3896, 89.6168,
39.7166

 80.7574, 90.9219,
51.0812

 83.5788, 92.4099,
64.8310

 86.8779, 94.0903,
81.0915

 90.6768, 95.9720,
99.9797

 92.5016, 97.0655,
108.4679

Harmonies

Analogous

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



96.9644, 85.9959, 16.3516



72.8907, 85.9959, 15.1400



55.0423, 85.9959, 26.0246

Triad

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



72.8907, 85.9959, 15.1400



52.1780, 85.9959, 209.8780



133.0769, 85.9959, 141.1111

Complementary

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



72.8907, 85.9959, 15.1400



19.5924, 9.7822, 92.1216

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.



115.9088, 85.9959, 229.0474



72.8907, 85.9959, 15.1400



68.1928, 85.9959, 280.2036

Square

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



72.8907, 85.9959, 15.1400



44.7242, 85.9959, 122.4824



91.2705, 85.9959, 288.5457



135.0085, 85.9959, 69.7147

Rectangle

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



72.8907, 85.9959, 15.1400



47.8316, 85.9959, 44.2874



91.2705, 85.9959, 288.5457



128.7616, 85.9959, 170.3877

Sweetspot

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



72.8927, 85.9999, 15.1417



85.8456, 95.3807, 63.3204



41.2800, 22.5495, 5.2984



18.1519, 20.2983, 12.4676



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.



72.8927, 85.9999, 15.1417



74.7266, 88.2108, 13.1611



48.3553, 76.0856, 14.5213



18.6818, 20.0994, 18.3573



37.8943, 44.7453, 6.6395



3.5229, 4.1706, 0.6193

Inverse Universe

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



19.5924, 9.7822, 92.1216



18.1889, 7.4505, 95.0872



29.2311, 14.3954, 92.5040



16.3233, 16.7235, 21.7529



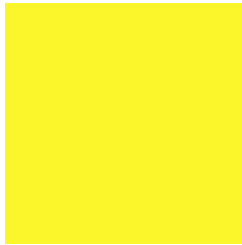
9.2121, 3.7797, 48.2176



0.8669, 0.3775, 4.4704

Previews

White Background



This preview shows how the XYZ color 72.8907, 85.9959, 15.1400 looks on a white background.

Color Contrast Check

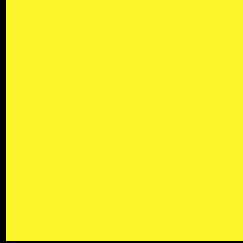
Large Text (above 18pt) WCAG AA × Fail

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 72.8907, 85.9959, 15.1400 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 72.8907, 85.9959, 15.1400

Background



This preview shows how black text looks on a background with the XYZ color 72.8907, 85.9959, 15.1400.



This preview shows how white text looks on a background with the XYZ color 72.8907, 85.9959,

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

72.8907, 85.9959, 15.1400



Protanopia

79.4572, 85.9333, 50.9270



Deuteranopia

83.1191, 86.0044, 74.5070



Tritanopia

86.5566, 86.0089, 96.8334

Trichromacy



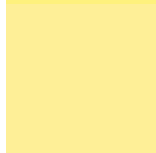
Original Color

72.8907, 85.9959, 15.1400



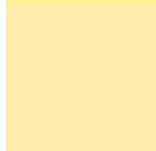
Protanomaly

76.0300, 85.4621, 31.8907



Deuteranomaly

77.3255, 85.0382, 41.6167



Tritanomaly

78.5079, 84.5795, 50.7157

Monochromacy



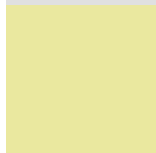
Original Color

72.8907, 85.9959, 15.1400



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

69.0463, 77.7089, 44.1611

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.8907, 85.9959, 15.1400 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(251, 245, 44)` looks like.

```
.text, #text, p{  
    color:rgb(251, 245, 44)  
}
```

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(251, 245, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 245, 44) }
```

Border

The CSS property to change the border of an element to XYZ 72.8907, 85.9959, 15.1400 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(251, 245, 44) }
```


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

```
.border{ border-color:rgb(251, 245, 44) }
```

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

Here you see how a box with a 4 pixel rgb(251, 245, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 245, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 245, 44);  
box-shadow:4px 4px 4px 4px rgb(251, 245,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 72.8907, 85.9959, 15.1400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 245, 44) }
```

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

```
.background{ background-color: rgb(251,  
245, 44) }
```

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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