

Converting Colors

XYZ(72.2965, 89.2702, 19.8990)

Have a look what the booklet for
XYZ(72.2965, 89.2702, 19.8990)
contains.

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Color

**XYZ(72.2965, 89.2702,
19.8990)**

Conversions

Conversions Part 1

Format	Color
Hex	F0FD4A
RGB	240, 253, 74
RGB Percent	94%, 99%, 29%
CMY	0.0588, 0.0078, 0.7098
CMYK	0.05, 0.00, 0.71, 0.01
HSL	64°, 98%, 64%
HSV	64°, 71%, 99%
XYZ	72.2965, 89.2702, 19.8990
YIQ	228.7070, 49.7110, -58.4250

Conversions

Conversions Part 2

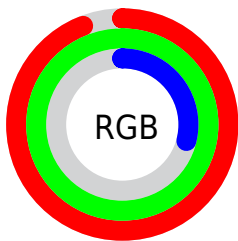
Format	Color
RYB	74, 253, 87
Decimal	15793482
CIELab	95.69, -25.02, 79.08
CIELCh	96, 82.940, 107.556
Yxy	89.2702, 0.3984, 0.4919
Android (android.graphics.Color)	4293983562 (0xFFFF0FD4A)
YUV	228.7070, -76.2706, 9.9040
Hunter-Lab	94.4829, -28.7603, 53.6510

Details

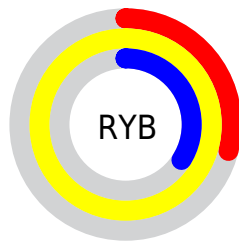
The XYZ color **72.2965, 89.2702, 19.8990** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **24.1116, 14.0176, 94.3688**, and the grayscale version is **74.7804, 78.6748, 85.6769**.

A 20% lighter version of the original color is **81.2336, 94.4735, 36.1440**, and **38.7886, 49.6358, 7.5363** is the 20% darker color. If you saturate the color by 10%, you get **70.9895, 88.6789, 16.2485**, and if you desaturate by 10%, it is **73.9565, 90.0100, 25.3573**.

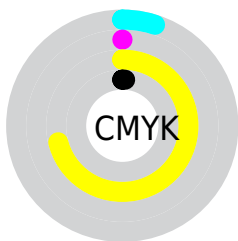
Distribution



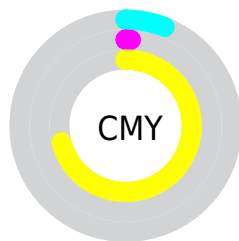
- Red (94%)
- Green (99%)
- Blue (29%)



- Red (29%)
- Yellow (99%)
- Blue (34%)



- Cyan (5%)
- Magenta (0%)
- Yellow (71%)
- Black (1%)



- Cyan (6%)
- Magenta (1%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.2965, 89.2702, 19.8990 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 72.2965, 89.2702, 19.8990 by changing the saturation by 10% instead.

72.2965, 89.2702,
19.8990

72.2965, 89.2702,
19.8990

457.7146,
525.6540, 263.9539

53.6872, 67.3755,
12.1383

121.4865,
146.3243, 44.1045

38.5814, 49.3899,
6.7143

152.7980,
182.2524, 61.3864

26.6135, 34.9288,
3.2083

189.0742,
223.6272, 82.6792

17.4182, 23.6081,
1.2020

230.6806,
270.8329, 108.4012

10.6303, 15.0431,
0.0000

277.9825,
324.2541, 138.9712

5.8842, 8.8497,
0.0000

331.3452,

2.8148, 4.6433,

384.2751, 174.8076

0.0000

391.1341,
451.2802, 216.3290

■ 1.0566, 2.0395,
0.0000

■ 0.0000, 0.6303,
0.0000

■ 72.2965, 89.2702,
19.8990

■ 72.2965, 89.2702,
19.8990

■ 70.9895, 88.6789,
16.2485

■ 73.9565, 90.0100,
25.3573

■ 69.9853, 88.2063,
14.1690


■ 76.0000, 90.9006,
32.8109


■ 69.2635, 87.8525,
13.3067


■ 78.4610, 91.9589,
42.4300


■ 81.3682, 93.1965,
54.3654

 84.7477, 94.6237,
68.7540

 88.6234, 96.2501,
85.7224

 93.0177, 98.0847,
105.3883

 94.3097, 98.6792,
108.6841

 94.4173, 98.7346,
108.6891

Harmonies

Analogous

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



94.6531, 89.2702, 18.9088



72.2965, 89.2702, 19.8990



56.4280, 89.2702, 34.6922

Triad

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



72.2965, 89.2702, 19.8990



58.5616, 89.2702, 222.4531



135.2786, 89.2702, 126.8516

Complementary

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



72.2965, 89.2702, 19.8990



24.1116, 14.0176, 94.3688

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.



121.4972, 89.2702, 208.9782



72.2965, 89.2702, 19.8990



75.7457, 89.2702, 278.6487

Square

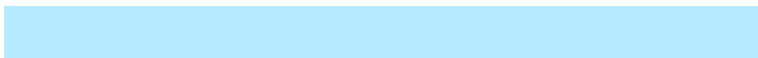
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.2965, 89.2702, 19.8990



49.5303, 89.2702, 140.2176



98.7756, 89.2702, 272.8385



133.9016, 89.2702, 64.0255

Rectangle

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



72.2965, 89.2702, 19.8990



50.4291, 89.2702, 56.7046



98.7756, 89.2702, 272.8385



132.1753, 89.2702, 153.4632

Sweetspot

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



72.2986, 89.2743, 19.9008



86.1785, 96.2877, 69.5796



45.0696, 28.0243, 9.5135



18.2325, 20.5197, 13.9758



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.



72.2986, 89.2743, 19.9008



71.7949, 90.0558, 15.4535



49.2327, 77.3834, 18.8214



19.4233, 21.0196, 19.1778



36.8973, 46.7593, 7.0808



3.6299, 4.5721, 0.6912

Inverse Universe

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



24.1116, 14.0176, 94.3688



20.2725, 9.4065, 95.3549



37.9580, 21.1556, 95.0168



17.1252, 17.4408, 22.7138



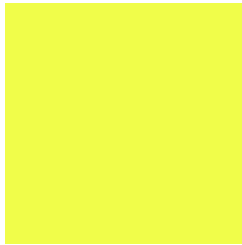
9.6110, 3.8651, 49.6741



0.9763, 0.3972, 4.8385

Previews

White Background



This preview shows how the XYZ color 72.2965, 89.2702, 19.8990 looks on a white background.

Color Contrast Check

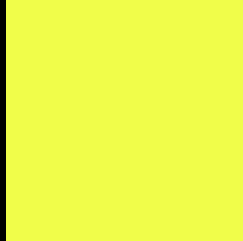
Large Text (above 18pt) WCAG AA × Fail

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 72.2965, 89.2702, 19.8990 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 72.2965, 89.2702, 19.8990

Background



This preview shows how black text looks on a background with the XYZ color 72.2965, 89.2702, 19.8990.



This preview shows how white text looks on a background with the XYZ color 72.2965, 89.2702,

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

72.2965, 89.2702, 19.8990

Protanopia

82.7297, 88.6593, 63.7916

Deuteranopia

85.7194, 88.9079, 82.4551



Tritanopia

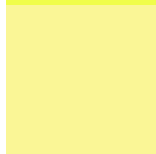
89.2538, 88.9202, 105.3876

Trichromacy



Original Color

72.2965, 89.2702, 19.8990



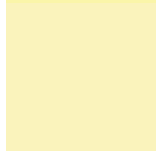
Protanomaly

77.8851, 88.4375, 41.8193



Deuteranomaly

79.2382, 88.4934, 50.4407



Tritanomaly

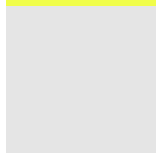
80.5520, 88.0560, 60.3279

Monochromacy



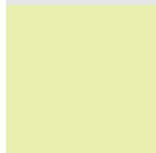
Original Color

72.2965, 89.2702, 19.8990



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.7216, 81.4898, 51.4841

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.2965, 89.2702, 19.8990 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(240, 253, 74)` looks like.

```
.text, #text, p{  
    color:rgb(240, 253, 74)  
}
```

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(240, 253, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 253, 74) }
```

Border

The CSS property to change the border of an element to XYZ 72.2965, 89.2702, 19.8990 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(240, 253, 74) }
```


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

```
.border{ border-color:rgb(240, 253, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 253, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 253, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 253, 74);  
box-shadow:4px 4px 4px 4px rgb(240, 253,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 72.2965, 89.2702, 19.8990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 253, 74) }
```

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

```
.background{ background-color: rgb(240,  
253, 74) }
```

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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