

Converting Colors

XYZ(72.4677, 90.3910, 16.0111)

Have a look what the booklet for
XYZ(72.4677, 90.3910, 16.0111)
contains.

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Color

**XYZ(72.4903, 90.4026,
16.0117)**

Conversions

Conversions Part 1

Format	Color
Hex	F1FF2C
RGB	241, 255, 44
RGB Percent	95%, 100%, 17%
CMY	0.0549, 0.0000, 0.8274
CMYK	0.05, 0.00, 0.83, 0.00
HSL	64°, 100%, 59%
HSV	64°, 83%, 100%
XYZ	72.4903, 90.4026, 16.0117
YIQ	226.7600, 59.3870, -68.5890

Conversions

Conversions Part 2

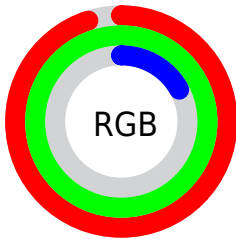
Format	Color
R_{YB}	44, 255, 58
Decimal	15859500
CIE _{Lab}	96.16, -26.64, 87.82
CIE _{LCh}	96, 91.771, 106.874
Yxy	90.4026, 0.4052, 0.5053
Android (android.graphics.Color)	4294049580 (0xFFFF1FF2C)
YUV	226.7600, -90.1007, 12.4885
Hunter-Lab	95.0803, -30.3000, 56.5716

Details

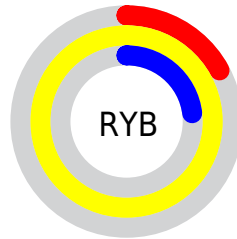
The XYZ color **72.4903, 90.4026, 16.0117** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **20.6968, 9.9222, 95.4321**, and the grayscale version is **73.4433, 77.2681, 84.1449**.

A 20% lighter version of the original color is **79.9246, 93.9499, 29.2509**, and **39.0165, 50.0915, 7.6122** is the 20% darker color. If you saturate the color by 10%, you get **71.5739, 89.9696, 14.1880**, and if you desaturate by 10%, it is **73.7059, 90.9559, 19.3855**.

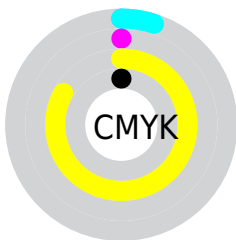
Distribution



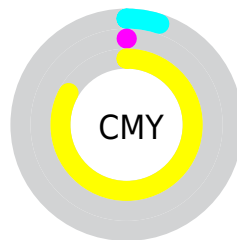
- Red (95%)
- Green (100%)
- Blue (17%)



- Red (17%)
- Yellow (100%)
- Blue (23%)



- Cyan (5%)
- Magenta (0%)
- Yellow (83%)
- Black (0%)





- Cyan (5%)
- Magenta (0%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.4903, 90.4026, 16.0117 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 72.4903, 90.4026, 16.0117 by changing the saturation by 10% instead.


 72.4903, 90.4026,
16.0117


 72.4903, 90.4026,
16.0117


458.3776,
529.3396, 241.2588

 53.8462, 68.3146,
9.3780


 121.7604,
147.8975, 37.3856


 38.7089, 50.1537,
4.8884


 153.1171,
184.0732, 52.9628


 26.7130, 35.5356,
2.1243


 189.4420,
225.7136, 72.3584

 17.4933, 24.0757,
0.6302


 231.1005,
273.2030, 95.9907

 10.6843, 15.3898,
0.0000

 278.4580,
326.9260, 124.2784

 5.9207, 9.0934,
0.0000

331.8797,

 2.8371, 4.8022,

387.2668, 157.6399

0.0000

391.7311,
454.6099, 196.4939

■ 1.0682, 2.1317,
0.0000

■ 0.0000, 0.6823,
0.0000

■ 72.4903, 90.4026,
16.0117

■ 72.4903, 90.4026,
16.0117

■ 71.5739, 89.9696,
14.1880


■ 73.7059, 90.9559,
19.3855


■ 71.0464, 89.7108,
13.5714


■ 75.2676, 91.6482,
24.5522


■ 77.2139, 92.4951,
31.7164

■ 79.5784, 93.5098,
41.0540

 82.3907, 94.7042,
52.7218

 85.6779, 96.0893,
66.8620

 89.4649, 97.6748,
83.6055

 93.7748, 99.4702,
103.0740

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



97.5229, 90.4026, 15.3153



72.4903, 90.4026, 16.0117



54.9320, 90.4026, 30.3529

Triad

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



72.4903, 90.4026, 16.0117



56.6283, 90.4026, 240.2228



142.9290, 90.4026, 133.8099

Complementary

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



72.4903, 90.4026, 16.0117



20.6968, 9.9222, 95.4321

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.



126.8130, 90.4026, 228.6672



72.4903, 90.4026, 16.0117



75.2851, 90.4026, 307.6924

Square

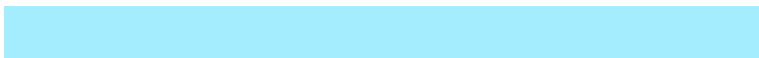
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.4903, 90.4026, 16.0117



47.0913, 90.4026, 144.9690



100.9247, 90.4026, 302.6495



141.7695, 90.4026, 63.1028

Rectangle

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



72.4903, 90.4026, 16.0117



48.3244, 90.4026, 53.0153



100.9247, 90.4026, 302.6495



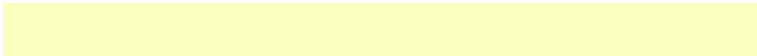
139.2360, 90.4026, 164.3674

Sweetspot

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



72.4903, 90.4026, 16.0129



84.8923, 95.7591, 63.4436



43.0403, 24.1328, 4.7737



17.9197, 20.3908, 12.4977



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.



72.4903, 90.4026, 16.0129



71.1172, 89.7457, 13.6476



46.8551, 77.1872, 14.8132



19.4352, 21.0258, 19.1784



37.1740, 46.9020, 7.0937



3.6539, 4.5844, 0.6923

Inverse Universe

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



20.6968, 9.9222, 95.4321



18.3522, 7.4169, 95.0721



33.4594, 16.5016, 96.0294



17.1146, 17.4353, 22.7133



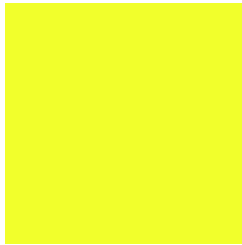
9.5930, 3.8558, 49.6732



0.9713, 0.3946, 4.8383

Previews

White Background



This preview shows how the XYZ color 72.4903, 90.4026, 16.0117 looks on a white background.

Color Contrast Check

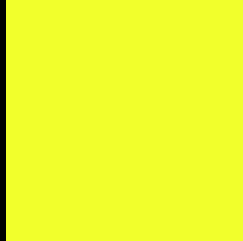
Large Text (above 18pt) WCAG AA × Fail

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 72.4903, 90.4026, 16.0117 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 72.4903, 90.4026, 16.0117

Background



This preview shows how black text looks on a background with the XYZ color 72.4903, 90.4026, 16.0117.

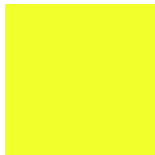


This preview shows how white text looks on a background with the XYZ color 72.4903, 90.4026,

Color Blindness Simulation

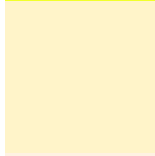
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

72.4903, 90.4026, 16.0117



Protanopia

84.1333, 90.1784, 68.2302



Deuteranopia

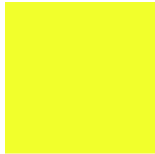
86.7196, 90.2552, 84.8019



Tritanopia

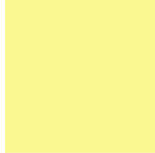
89.8361, 90.0849, 105.5817

Trichromacy



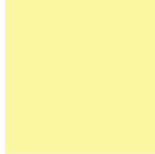
Original Color

72.4903, 90.4026, 16.0117



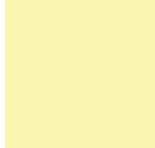
Protanomaly

78.0258, 89.4724, 39.5431



Deuteranomaly

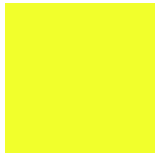
79.0303, 89.3836, 46.3451



Tritanomaly

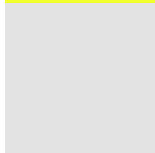
80.0126, 88.8031, 54.5186

Monochromacy



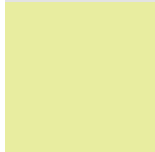
Original Color

72.4903, 90.4026, 16.0117



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

69.9081, 80.2622, 45.0653

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.4903, 90.4026, 16.0117 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(241, 255, 44)` looks like.

```
.text, #text, p{  
    color:rgb(241, 255, 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(241, 255, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 255, 44) }
```

Border

The CSS property to change the border of an element to XYZ 72.4903, 90.4026, 16.0117 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(241, 255, 44) }
```


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

```
.border{ border-color:rgb(241, 255, 44) }
```

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

Here you see how a box with a 4 pixel rgb(241, 255, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 255, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 255, 44);  
box-shadow:4px 4px 4px 4px rgb(241, 255,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 72.4903, 90.4026, 16.0117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 255, 44) }
```

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

```
.background{ background-color: rgb(241,  
255, 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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