

Converting Colors

XYZ(75.3707, 91.8711, 16.8924)

Have a look what the booklet for
XYZ(75.3707, 91.8711, 16.8924)
contains.

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Color

**XYZ(75.4245, 91.8988,
16.8949)**

Conversions

Conversions Part 1

Format	Color
Hex	F9FF33
RGB	249, 255, 51
RGB Percent	98%, 100%, 20%
CMY	0.0235, 0.0000, 0.8000
CMYK	0.02, 0.00, 0.80, 0.00
HSL	62°, 100%, 60%
HSV	62°, 80%, 100%
XYZ	75.4245, 91.8988, 16.8949
YIQ	229.9500, 61.9080, -64.7160

Conversions

Conversions Part 2

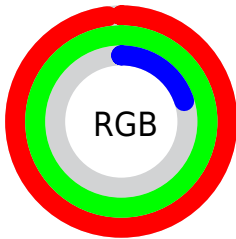
Format	Color
R_{YB}	51, 255, 57
Decimal	16383795
CIE _{Lab}	96.78, -23.21, 86.97
CIE _{LCh}	97, 90.018, 104.941
Yxy	91.8988, 0.4094, 0.4989
Android (android.graphics.Color)	4294573875 (0xFFFF9FF33)
YUV	229.9500, -88.2223, 16.7069
Hunter-Lab	95.8639, -27.3202, 56.6555

Details

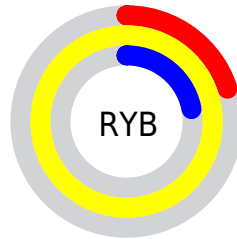
The XYZ color **75.4245, 91.8988, 16.8949** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **20.9222, 10.4587, 95.5237**, and the grayscale version is **75.7769, 79.7232, 86.8186**.

A 20% lighter version of the original color is **80.1524, 94.0410, 30.4502**, and **41.1625, 51.5382, 7.7784** is the 20% darker color. If you saturate the color by 10%, you get **74.7408, 91.5944, 14.6890**, and if you desaturate by 10%, it is **76.4169, 92.3266, 20.7240**.

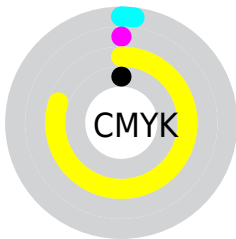
Distribution



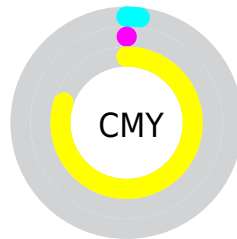
- Red (98%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (22%)



- Cyan (2%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (2%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.4245, 91.8988, 16.8949 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 75.4245, 91.8988, 16.8949 by changing the saturation by 10% instead.


 75.4245, 91.8988,
16.8949


 75.4245, 91.8988,
16.8949


468.3501,
534.1884, 246.5894

 56.2561, 69.5566,
9.9984


 125.8978,
149.9731, 38.9332


 40.6461, 51.1651,
5.2923


 157.9334,
186.4740, 54.9120

 28.2291, 36.3400,
2.3581


 194.9888,
228.4632, 74.7554

 18.6398, 24.6969,
0.7635

 237.4293,
276.3252, 98.8819

 11.5127, 15.8514,
0.0000

 285.6204,
330.4443, 127.7100

 6.4826, 9.4191,
0.0000

339.9273,

 3.1841, 5.0155,

391.2050, 161.6582

0.0000

400.7154,
458.9915, 201.1452

■ 1.2519, 2.2564,
0.0000

■ 0.1467, 0.7505,
0.0000

■ 75.4245, 91.8988,
16.8949

■ 75.4245, 91.8988,
16.8949

■ 74.7408, 91.5944,
14.6890

■ 76.4169, 92.3266,
20.7240

■ 74.2940, 91.3850,
13.7236

■ 77.7624, 92.8959,
26.4052

■ 74.2939, 91.3849,
13.7234

■ 79.4978, 93.6213,
34.1341

■ 81.6554, 94.5156,
44.0810

■ 84.2642, 95.5906,
56.3981

■ 87.3506, 96.8567,
71.2244

■ 90.9389, 98.3237,
88.6880

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.



100.5709, 91.8988, 16.9177



75.4245, 91.8988, 16.8949



57.3590, 91.8988, 30.4074

Triad

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



75.4245, 91.8988, 16.8949



57.3052, 91.8988, 233.8260



143.0830, 91.8988, 140.6865

Complementary

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



75.4245, 91.8988, 16.8949



20.9222, 10.4587, 95.5237

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.



126.3021, 91.8988, 234.1853



75.4245, 91.8988, 16.8949



75.3363, 91.8988, 303.1902

Square

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



75.4245, 91.8988, 16.8949



48.3514, 91.8988, 140.3372



100.4641, 91.8988, 303.3465



143.1192, 91.8988, 68.3397

Rectangle

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



75.4245, 91.8988, 16.8949



50.3519, 91.8988, 51.9880



100.4641, 91.8988, 303.3465



139.0893, 91.8988, 171.2199

Sweetspot

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



75.4244, 91.8987, 16.8961



86.0559, 96.3262, 64.9784



43.1761, 24.1757, 5.5239



18.1871, 20.5224, 12.7931



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.



75.4244, 91.8987, 16.8961



74.4560, 91.4620, 14.0226



48.8629, 78.2057, 15.6530



19.5053, 21.0619, 19.1816



38.8438, 47.7628, 7.1719



3.7981, 4.6587, 0.6990

Inverse Universe

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



20.9222, 10.4587, 95.5237



18.3991, 7.5643, 95.0981



33.0230, 16.6969, 96.0901



17.0524, 17.4032, 22.7103



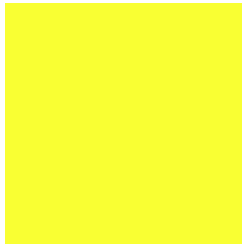
9.5019, 3.8089, 49.6690



0.9418, 0.3794, 4.8369

Previews

White Background



This preview shows how the XYZ color 75.4245, 91.8988, 16.8949 looks on a white background.

Color Contrast Check

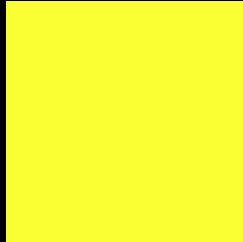
Large Text (above 18pt) WCAG AA × Fail

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 75.4245, 91.8988, 16.8949 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 75.4245, 91.8988, 16.8949

Background



This preview shows how black text looks on a background with the XYZ color 75.4245, 91.8988, 16.8949.

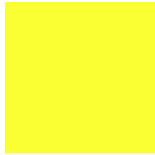


This preview shows how white text looks on a background with the XYZ color 75.4245, 91.8988,

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



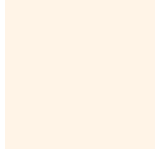
Original Color

75.4245, 91.8988, 16.8949



Protanopia

85.8286, 91.8247, 74.1730



Deuteranopia

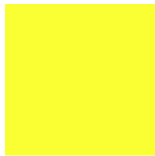
88.0145, 91.7309, 88.6683



Tritanopia

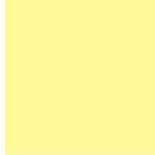
90.2474, 91.6664, 103.3793

Trichromacy



Original Color

75.4245, 91.8988, 16.8949



Protanomaly

80.0512, 90.9010, 43.0323



Deuteranomaly

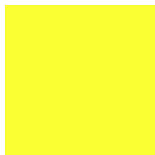
80.9583, 90.7706, 49.3299



Tritanomaly

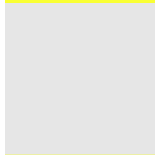
81.8047, 90.6185, 55.2990

Monochromacy



Original Color

75.4245, 91.8988, 16.8949



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.5831, 82.4541, 47.6870

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.4245, 91.8988, 16.8949 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(249, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(249, 255, 51)  
}
```

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(249, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 255, 51) }
```

Border

The CSS property to change the border of an element to XYZ 75.4245, 91.8988, 16.8949 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(249, 255, 51) }
```


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

```
.border{ border-color:rgb(249, 255, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(249, 255,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 75.4245, 91.8988, 16.8949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 255, 51) }
```

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

```
.background{ background-color: rgb(249,  
255, 51) }
```

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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