

Converting Colors

XYZ(77.3986, 92.9163, 16.9919)

Have a look what the booklet for
XYZ(77.3986, 92.9163, 16.9919)
contains.

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Color

**XYZ(77.2306, 92.8298,
16.9794)**

Conversions

Conversions Part 1

Format	Color
Hex	FEFF33
RGB	254, 255, 51
RGB Percent	100%, 100%, 20%
CMY	0.0039, 0.0000, 0.8000
CMYK	0.00, 0.00, 0.80, 0.00
HSL	60°, 100%, 60%
HSV	60°, 80%, 100%
XYZ	77.2306, 92.8298, 16.9794
YIQ	231.4450, 64.8880, -63.6560

Conversions

Conversions Part 2

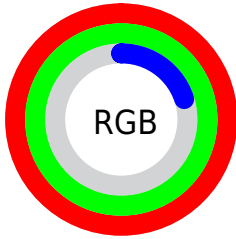
Format	Color
R _Y B	51, 255, 52
Decimal	16711475
CIE Lab	97.16, -21.18, 87.45
CIE LCh	97, 89.978, 103.614
Yxy	92.8298, 0.4129, 0.4963
Android (android.graphics.Color)	4294901555 (0xFFFEFF33)
YUV	231.4450, -88.9594, 19.7807
Hunter-Lab	96.3482, -25.5277, 56.9951

Details

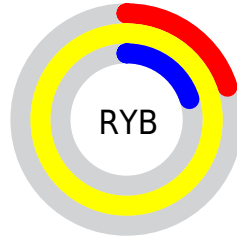
The XYZ color **77.2306, 92.8298, 16.9794** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **20.6510, 10.3189, 95.5111**, and the grayscale version is **76.8962, 80.9007, 88.1009**.

A 20% lighter version of the original color is **80.1524, 94.0410, 30.4502**, and **42.4157, 52.1843, 7.8370** is the 20% darker color. If you saturate the color by 10%, you get **76.7680, 92.6395, 14.7839**, and if you desaturate by 10%, it is **78.0009, 93.1432, 20.7982**.

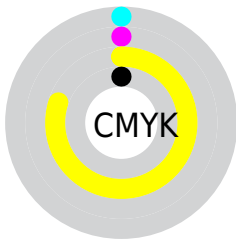
Distribution



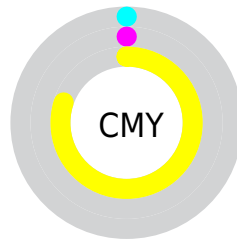
- Red (100%)
- Green (100%)
- Blue (20%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2306, 92.8298, 16.9794 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 77.2306, 92.8298, 16.9794 by changing the saturation by 10% instead.

77.2306, 92.8298,
16.9794

77.2306, 92.8298,
16.9794

474.4298,
537.1937, 247.0936

57.7427, 70.3300,
10.0580

128.4361,
151.2630, 39.0805

41.8443, 51.7957,
5.3313

160.8844,
187.9651, 55.0973

29.1700, 36.8422,
2.3808

198.3835,
230.1703, 74.9830

19.3544, 25.0853,
0.7760

241.2989,
278.2627, 99.1561

12.0321, 16.1407,
0.0000

289.9959,
332.6269, 128.0352

6.8379, 9.6237,
0.0000

344.8398,

3.4064, 5.1502,

393.6472, 162.0388

0.0000

406.1960,
461.7080, 201.5854

■ 1.3721, 2.3357,
0.0000

■ 0.2362, 0.7925,
0.0000

■ 77.2306, 92.8298,
16.9794

■ 77.2306, 92.8298,
16.9794

■ 76.7680, 92.6395,
14.7839

■ 78.0009, 93.1432,
20.7982

■ 76.5413, 92.5435,
13.8288

■ 79.1232, 93.5974,
26.4688

■ 76.5413, 92.5435,
13.8285

■ 80.6344, 94.2072,
34.1873

■ 82.5668, 94.9855,
44.1236

■ 84.9493, 95.9438,
56.4301

■ 87.8083, 97.0927,
71.2458

■ 91.1682, 98.4420,
88.6987

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.



102.7368, 92.8298, 17.5182



77.2306, 92.8298, 16.9794



58.6539, 92.8298, 29.8717

Triad

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



77.2306, 92.8298, 16.9794



57.3904, 92.8298, 231.4807



143.8582, 92.8298, 145.8836

Complementary

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



77.2306, 92.8298, 16.9794



20.6510, 10.3189, 95.5111

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.



126.3820, 92.8298, 239.8945



77.2306, 92.8298, 16.9794



75.1609, 92.8298, 303.3563

Square

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



77.2306, 92.8298, 16.9794



48.7744, 92.8298, 137.6937



100.2314, 92.8298, 307.0152



144.7071, 92.8298, 71.6041

Rectangle

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



77.2306, 92.8298, 16.9794



51.3200, 92.8298, 50.7939



100.2314, 92.8298, 307.0152



139.6013, 92.8298, 176.8347

Sweetspot

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



77.2306, 92.8298, 16.9806



86.6048, 96.6092, 65.0041



43.0220, 23.8676, 5.4725



18.3219, 20.5919, 12.7994



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.



77.2306, 92.8298, 16.9806



76.6154, 92.5753, 14.1237



49.4956, 78.5319, 15.6826



19.5519, 21.0860, 19.1838



39.9985, 48.3581, 7.2259



3.8973, 4.7099, 0.7037

Inverse Universe

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



20.6510, 10.3189, 95.5111



18.3041, 7.5153, 95.0936



32.3721, 16.3613, 96.0596



17.0113, 17.3820, 22.7084



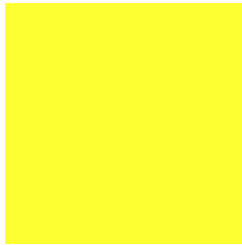
9.4433, 3.7787, 49.6662



0.9222, 0.3693, 4.8360

Previews

White Background



This preview shows how the XYZ color 77.2306, 92.8298, 16.9794 looks on a white background.

Color Contrast Check

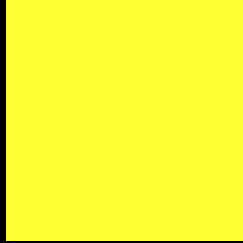
Large Text (above 18pt) WCAG AA × Fail

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 77.2306, 92.8298, 16.9794 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 77.2306, 92.8298, 16.9794

Background



This preview shows how black text looks on a background with the XYZ color 77.2306, 92.8298, 16.9794.



This preview shows how white text looks on a background with the XYZ color 77.2306, 92.8298,

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



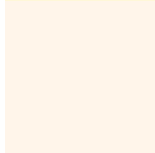
Original Color

77.2306, 92.8298, 16.9794



Protanopia

86.8954, 92.7394, 78.2864



Deuteranopia

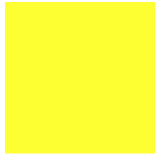
88.7437, 92.5053, 91.0199



Tritanopia

90.8460, 92.8635, 103.5788

Trichromacy



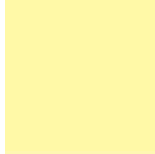
Original Color

77.2306, 92.8298, 16.9794



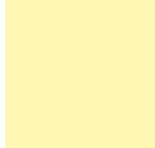
Protanomaly

81.4264, 92.0315, 44.9247



Deuteranomaly

82.0907, 91.8014, 49.9520



Tritanomaly

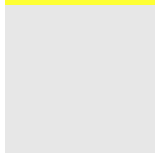
82.8433, 91.6092, 55.4355

Monochromacy



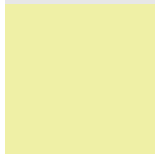
Original Color

77.2306, 92.8298, 16.9794



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.6396, 83.4241, 48.2976

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.2306, 92.8298, 16.9794 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(254, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(254, 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(254, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 255, 51) }
```

Border

The CSS property to change the border of an element to XYZ 77.2306, 92.8298, 16.9794 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(254, 255, 51) }
```


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

```
.border{ border-color:rgb(254, 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(254, 255, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(254, 255,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 77.2306, 92.8298, 16.9794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 255, 51) }
```

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

```
.background{ background-color: rgb(254,  
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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