

Converting Colors

XYZ(77.0171, 92.4403, 16.2078)

Have a look what the booklet for
XYZ(77.0171, 92.4403, 16.2078)
contains.

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Color

**XYZ(76.7695, 92.1363,
16.1208)**

Conversions

Conversions Part 1

Format	Color
Hex	FEFE2C
RGB	254, 254, 44
RGB Percent	100%, 100%, 17%
CMY	0.0039, 0.0039, 0.8274
CMYK	0.00, 0.00, 0.83, 0.00
HSL	60°, 99%, 58%
HSV	60°, 83%, 100%
XYZ	76.7695, 92.1363, 16.1208
YIQ	230.0600, 67.4100, -65.3100

Conversions

Conversions Part 2

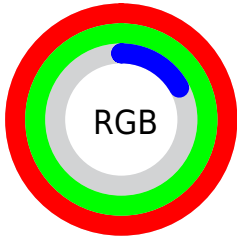
Format	Color
RYB	44, 254, 44
Decimal	16711212
CIELab	96.88, -20.89, 88.81
CIELCh	97, 91.233, 103.237
Yxy	92.1363, 0.4149, 0.4980
Android (android.graphics.Color)	4294901292 (0xFFFEFE2C)
YUV	230.0600, -91.7276, 20.9954
Hunter-Lab	95.9877, -25.2168, 57.2338

Details

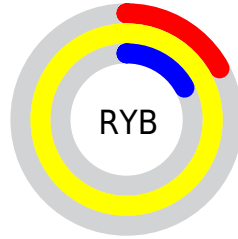
The XYZ color **76.7695, 92.1363, 16.1208** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **19.8312, 9.4944, 94.5591**, and the grayscale version is **75.8842, 79.8360, 86.9415**.

A 20% lighter version of the original color is **79.9246, 93.9499, 29.2509**, and **42.1864, 51.7256, 7.7606** is the 20% darker color. If you saturate the color by 10%, you get **76.4307, 92.0042, 14.3291**, and if you desaturate by 10%, it is **77.4041, 92.3937, 19.4518**.

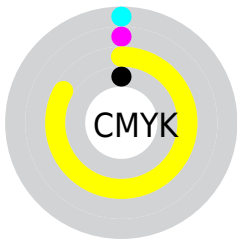
Distribution



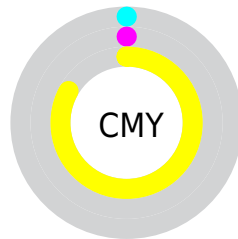
- Red (100%)
- Green (100%)
- Blue (17%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.7695, 92.1363, 16.1208 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 76.7695, 92.1363, 16.1208 by changing the saturation by 10% instead.


 76.7695, 92.1363,
16.1208


 76.7695, 92.1363,
16.1208


472.8818,
534.9559, 241.9235


 57.3630, 69.7538,
9.4544


 127.7886,
150.3023, 37.5775


 41.5380, 51.3259,
4.9379


 160.1319,
186.8546, 53.2049

 28.9292, 36.4680,
2.1528


 197.5182,
228.8990, 72.6563

 19.1713, 24.7959,
0.6469

 240.3129,
276.8199, 96.3504

 11.8989, 15.9250,
0.0000

 288.8812,
331.0016, 124.7056

 6.7466, 9.4711,
0.0000

343.5885,

 3.3490, 5.0497,

391.8286, 158.1405

0.0000

404.8003,
459.6852, 197.0736

■ 1.3409, 2.2765,
0.0000

■ 0.2135, 0.7612,
0.0000

■ 76.7695, 92.1363,
16.1208

■ 76.7695, 92.1363,
16.1208

■ 76.4307, 92.0042,
14.3291


■ 77.4041, 92.3937,
19.4518


■ 76.3162, 91.9584,
13.7275


■ 78.3745, 92.7819,
24.5600


■ 79.7209, 93.3205,
31.6484

■ 81.4765, 94.0227,
40.8912

 83.6706, 94.9004,
52.4435

 86.3300, 95.9642,
66.4461

 89.4794, 97.2240,
83.0287

 93.1416, 98.6889,
102.3116

94.3698, 99.1802,
108.7776

Harmonies

Analogous

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



102.5631, 92.1363, 16.7939



76.7695, 92.1363, 16.1208



57.9752, 92.1363, 28.6425

Triad

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



76.7695, 92.1363, 16.1208



56.3626, 92.1363, 231.3286



143.7196, 92.1363, 146.7611

Complementary

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



76.7695, 92.1363, 16.1208



19.8312, 9.4944, 94.5591

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.



125.8402, 92.1363, 242.2067



76.7695, 92.1363, 16.1208



74.1192, 92.1363, 305.1261

Square

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



76.7695, 92.1363, 16.1208



47.8386, 92.1363, 136.2201



99.3448, 92.1363, 309.8661



144.8137, 92.1363, 71.3575

Rectangle

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



76.7695, 92.1363, 16.1208



50.5397, 92.1363, 49.2568



99.3448, 92.1363, 309.8661



139.3352, 92.1363, 178.2069

Sweetspot

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



76.7716, 92.1406, 16.1227



86.4307, 96.5522, 63.5156



42.2315, 23.0563, 4.6085



18.2946, 20.5841, 12.5152



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.



76.7716, 92.1406, 16.1227



77.0106, 92.7838, 13.9234



48.2950, 77.4604, 14.7900



19.5612, 21.0908, 19.1843



40.2324, 48.4786, 7.2368



3.9173, 4.7202, 0.7046

Inverse Universe

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



19.8312, 9.4944, 94.5591



18.1097, 7.2919, 95.0607



31.1878, 15.3489, 95.0906



17.0032, 17.3778, 22.7080



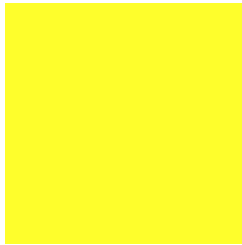
9.4316, 3.7727, 49.6657



0.9183, 0.3673, 4.8358

Previews

White Background



This preview shows how the XYZ color 76.7695, 92.1363, 16.1208 looks on a white background.

Color Contrast Check

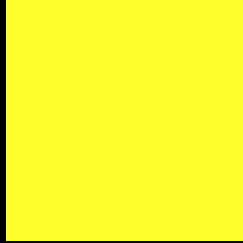
Large Text (above 18pt) WCAG AA × Fail

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 76.7695, 92.1363, 16.1208 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 76.7695, 92.1363, 16.1208

Background



This preview shows how black text looks on a background with the XYZ color 76.7695, 92.1363, 16.1208.



This preview shows how white text looks on a background with the XYZ color 76.7695, 92.1363,

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



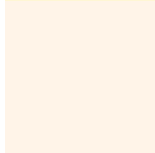
Original Color

76.7695, 92.1363, 16.1208



Protanopia

86.0794, 91.9250, 75.4938



Deuteranopia

88.1562, 91.7876, 89.4144



Tritanopia

90.0910, 91.6038, 102.5555

Trichromacy



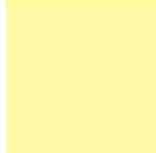
Original Color

76.7695, 92.1363, 16.1208



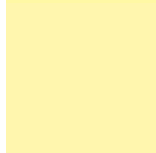
Protanomaly

80.7016, 91.2457, 42.6369



Deuteranomaly

81.5082, 91.0751, 48.4053



Tritanomaly

81.8357, 90.2275, 53.1468

Monochromacy



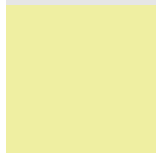
Original Color

76.7695, 92.1363, 16.1208



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.9847, 82.6924, 46.2969

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.7695, 92.1363, 16.1208 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, 254, 44)` looks like.

```
.text, #text, p{  
    color:rgb(254, 254, 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(254, 254, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 254, 44) }
```

Border

The CSS property to change the border of an element to XYZ 76.7695, 92.1363, 16.1208 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, 254, 44) }
```


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

```
.border{ border-color:rgb(254, 254, 44) }
```

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

Here you see how a box with a 4 pixel rgb(254, 254, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 254, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 254, 44);  
box-shadow:4px 4px 4px 4px rgb(254, 254,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 76.7695, 92.1363, 16.1208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 254, 44) }
```

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

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