

# Converting Colors

XYZ(76.3347, 90.4934, 16.5757)

Have a look what the booklet for  
XYZ(76.3347, 90.4934, 16.5757)  
contains.

<b>XYZ(76.3347, 90.4934, 16.5757)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(76.3347, 90.4934,  
16.5757)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFB33
RGB	255, 251, 51
RGB Percent	100%, 98%, 20%
CMY	0.0000, 0.0157, 0.8000
CMYK	0.00, 0.02, 0.80, 0.00
HSL	59°, 100%, 60%
HSV	59°, 80%, 100%
XYZ	76.3347, 90.4934, 16.5757
YIQ	229.3960, 66.5840, -61.3520

# Conversions

## Conversions Part 2

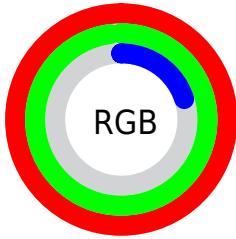
Format	Color
R <sub>Y</sub> B	55, 255, 51
Decimal	16775987
CIE Lab	96.20, -18.86, 86.66
CIE LCh	96, 88.688, 102.280
Yxy	90.4934, 0.4162, 0.4934
Android (android.graphics.Color)	4294966067 (0xFFFFFB33)
YUV	229.3960, -87.9492, 22.4547
Hunter-Lab	95.1280, -23.2382, 56.2586

# Details

The XYZ color **76.3347, 90.4934, 16.5757** 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 **20.7819, 10.6566, 95.5685**, and the grayscale version is **75.3645, 79.2894, 86.3461**.

A 20% lighter version of the original color is **80.1524, 94.0410, 30.4502**, and **41.7632, 50.4995, 7.5462** is the 20% darker color. If you saturate the color by 10%, you get **75.7643, 90.0196, 14.3311**, and if you desaturate by 10%, it is **77.2174, 91.0997, 20.4450**.

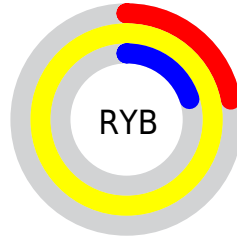
# Distribution



Red (100%)

Green (98%)

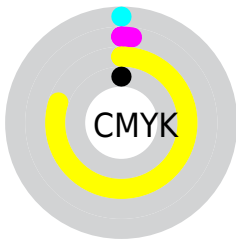
Blue (20%)



Red (22%)

Yellow (100%)

Blue (20%)

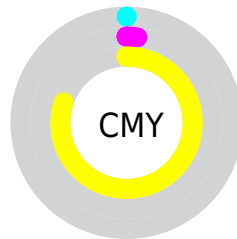


Cyan (0%)

Magenta (2%)

Yellow (80%)

Black (0%)



Cyan (0%)

Magenta (2%)


Yellow (80%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.3347, 90.4934, 16.5757 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 76.3347, 90.4934, 16.5757 by changing the saturation by 10% instead.




 76.3347, 90.4934,  
16.5757


 76.3347, 90.4934,  
16.5757


471.4195,  
529.6346, 244.6759


 57.0050, 68.3899,  
9.7737


 127.1778,  
148.0236, 38.3754


 41.2494, 50.2150,  
5.1455


 159.4218,  
184.2190, 54.2102


 28.7026, 35.5843,  
2.2727


 196.7014,  
225.8807, 73.8930

 18.9991, 24.1133,  
0.7158

 239.3819,  
273.3928, 97.8423

 11.7736, 15.4177,  
0.0000

 287.8286,  
327.1399, 126.4767

 6.6608, 9.1131,  
0.0000

342.4068,

 3.2953, 4.8150,

387.5063, 160.2147

0.0000

403.4820,  
454.8764, 199.4750

■ 1.3118, 2.1391,  
0.0000

■ 0.1920, 0.6865,  
0.0000

■ 76.3347, 90.4934,  
16.5757

■ 76.3347, 90.4934,  
16.5757

■ 75.7643, 90.0196,  
14.3311

■ 77.2174, 91.0997,  
20.4450

■ 75.4281, 89.6366,  
13.3264

■ 78.4504, 91.8433,  
26.1657

■ 75.4280, 89.6364,  
13.3261

■ 80.0726, 92.7433,  
33.9343

■ 82.1165, 93.8126,  
43.9208

84.6108, 95.0627,  
56.2777

87.5820, 96.5043,  
71.1438

91.0545, 98.1470,  
88.6473

95.0494, 99.9993,  
108.8999

95.0496, 99.9998,  
108.9000

# Harmonies

## Analogous

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



101.2326, 90.4934, 17.6111



76.3347, 90.4934, 16.5757



57.9433, 90.4934, 28.4310

# Triad

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



76.3347, 90.4934, 16.5757



55.5367, 90.4934, 220.7115



139.4170, 90.4934, 145.8029

# Complementary

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



76.3347, 90.4934, 16.5757



20.7819, 10.6566, 95.5685

# 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.



121.9339, 90.4934, 236.6525



76.3347, 90.4934, 16.5757



72.3977, 90.4934, 292.1992

# Square

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



76.3347, 90.4934, 16.5757



47.5651, 90.4934, 130.2561



96.4729, 90.4934, 299.1252



141.0273, 90.4934, 72.4285



# Rectangle

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



76.3347, 90.4934, 16.5757



50.5552, 90.4934, 47.9824



96.4729, 90.4934, 299.1252



135.0672, 90.4934, 175.9671

# Sweetspot

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



76.3368, 90.4976, 16.5775



86.3343, 95.9043, 64.8823



43.1828, 23.9319, 6.3210



18.2555, 20.4187, 12.7695



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.



76.3368, 90.4976, 16.5775



75.5466, 89.7837, 13.6412



50.8155, 79.2119, 15.7443



19.5290, 21.0261, 19.1735



39.4269, 46.8651, 6.9678



3.8482, 4.5818, 0.6815



# Inverse Universe

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



20.7819, 10.6566, 95.5685



18.3484, 7.6272, 95.1129



31.1246, 15.7183, 96.0004



17.0315, 17.4346, 22.7175



9.4721, 3.8539, 49.6792

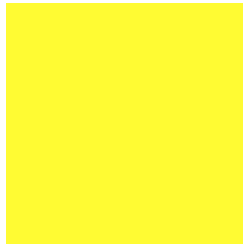


0.9319, 0.3944, 4.8403



# Previews

## White Background



This preview shows how the XYZ color 76.3347, 90.4934, 16.5757 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

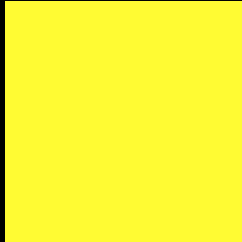
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.3347, 90.4934, 16.5757 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 76.3347, 90.4934, 16.5757**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.3347, 90.4934, 16.5757.



This preview shows how white text looks on a background with the XYZ color 76.3347, 90.4934,



# 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



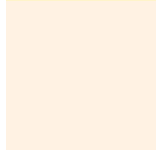
### Original Color

76.3347, 90.4934, 16.5757



### Protanopia

84.2514, 90.2256, 68.8519



### Deuteranopia

86.8573, 90.3103, 85.5268



## Tritanopia

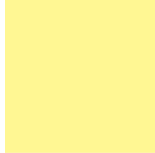
89.1886, 90.2956, 100.7237

# Trichromacy



## Original Color

76.3347, 90.4934, 16.5757



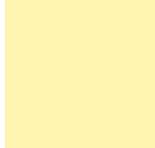
## Protanomaly

79.7672, 89.8881, 40.7497



## Deuteranomaly

80.5033, 89.2092, 47.6264



## Tritanomaly

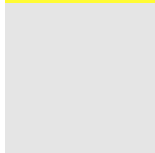
81.4272, 89.0960, 53.9799

# Monochromacy



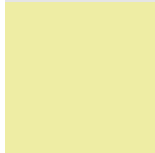
## Original Color

76.3347, 90.4934, 16.5757



## Achromatopsia

74.4753, 78.3538, 85.3273



## Achromatomaly

72.2449, 81.4259, 47.0310

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.3347, 90.4934, 16.5757 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(255, 251, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 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(255, 251, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 51) }
```

## Border

The CSS property to change the border of an element to XYZ 76.3347, 90.4934, 16.5757 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(255, 251, 51) }
```



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

```
.border{ border-color:rgb(255, 251, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 251, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
51) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.3347, 90.4934, 16.5757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 51) }
```

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

```
.background{ background-color: rgb(255,  
251, 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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