

# Converting Colors

XYZ(74.2317, 88.8670, 17.0003)

Have a look what the booklet for  
XYZ(74.2317, 88.8670, 17.0003)  
contains.

<b>XYZ(74.3238, 88.9807, 16.9991)</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(74.3238, 88.9807,  
16.9991)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAFA38
RGB	250, 250, 56
RGB Percent	98%, 98%, 22%
CMY	0.0196, 0.0196, 0.7804
CMYK	0.00, 0.00, 0.78, 0.02
HSL	60°, 95%, 60%
HSV	60°, 78%, 98%
XYZ	74.3238, 88.9807, 16.9991
YIQ	227.8840, 62.2740, -60.3340

# Conversions

## Conversions Part 2

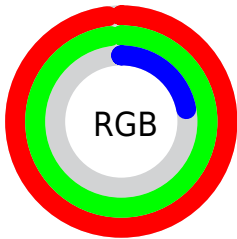
Format	Color
<a href="#">RYB</a>	<a href="#">56, 250, 56</a>
Decimal	<a href="#">16448056</a>
CIELab	<a href="#">95.57, -20.27, 84.67</a>
CIELCh	<a href="#">96, 87.066, 103.463</a>
Yxy	<a href="#">88.9807, 0.4122, 0.4935</a>
Android (android.graphics.Color)	<a href="#">4294638136</a> ( <a href="#">0xFFFAFA38</a> )
YUV	<a href="#">227.8840, -84.7388, 19.3957</a>
Hunter-Lab	<a href="#">94.3296, -24.4337, 55.3461</a>

# Details

The XYZ color **74.3238, 88.9807, 16.9991** 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 **20.3028, 10.5730, 91.4187**, and the grayscale version is **74.2289, 78.0946, 85.0450**.

A 20% lighter version of the original color is **80.3298, 94.1119, 31.3843**, and **40.2781, 49.4024, 7.4127** is the 20% darker color. If you saturate the color by 10%, you get **73.8589, 88.7980, 14.5438**, and if you desaturate by 10%, it is **75.0977, 89.2936, 21.0638**.

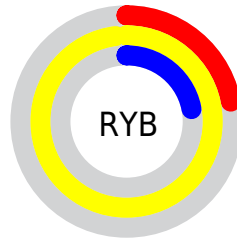
# Distribution



Red (98%)

Green (98%)

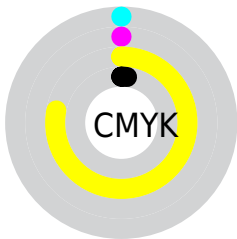
Blue (22%)



Red (22%)

Yellow (98%)

Blue (22%)

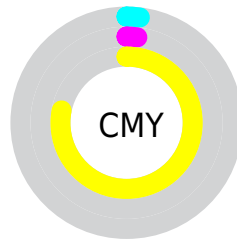


Cyan (0%)

Magenta (0%)

Yellow (78%)

Black (2%)



Cyan (2%)

Magenta (2%)


Yellow (78%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.3238, 88.9807, 16.9991 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 74.3238, 88.9807, 16.9991 by changing the saturation by 10% instead.





 74.3238, 88.9807,  
16.9991


 74.3238, 88.9807,  
16.9991


464.6232,  
524.7095, 247.2110


 55.3513, 67.1356,  
10.0719


 124.3477,  
145.9217, 39.1149


 39.9180, 49.1948,  
5.3404


 156.1299,  
181.7864, 55.1405


 27.6586, 34.7740,  
2.3861


 192.9127,  
223.0930, 75.0360

 18.2076, 23.4889,  
0.7789

 235.0615,  
270.2260, 99.2200

 11.1997, 14.9549,  
0.0000

 282.9415,  
323.5698, 128.1109

 6.2696, 8.7877,  
0.0000

336.9183,

 3.0519, 4.6030,

383.5087, 162.1274

0.0000

397.3571,  
450.4271, 201.6879

■ 1.1813, 2.0163,  
0.0000

■ 0.0915, 0.6169,  
0.0000

■ 74.3238, 88.9807,  
16.9991

■ 74.3238, 88.9807,  
16.9991

■ 73.8589, 88.7980,  
14.5438

■ 75.0977, 89.2936,  
21.0638

■ 73.6441, 88.7121,  
13.4142

■ 76.2145, 89.7404,  
26.9431

■ 73.6111, 88.6989,  
13.2409

■ 77.7103, 90.3387,  
34.8179

■ 79.6149, 91.1006,  
44.8456

81.9552, 92.0368,  
57.1680

84.7560, 93.1571,  
71.9147

88.0399, 94.4707,  
89.2058

91.6645, 95.9206,  
108.2910

91.6648, 95.9208,  
108.2911

# Harmonies

## Analogous

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



98.3334, 88.9807, 17.5781



74.3238, 88.9807, 16.9991



56.7478, 88.9807, 29.3340

# Triad

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



74.3238, 88.9807, 16.9991



55.4226, 88.9807, 218.4752



136.6920, 88.9807, 139.3608

# Complementary

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



74.3238, 88.9807, 16.9991



20.3028, 10.5730, 91.4187

# 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.



120.2692, 88.9807, 227.1704



74.3238, 88.9807, 16.9991



72.1610, 88.9807, 285.6263

# Square

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



74.3238, 88.9807, 16.9991



47.3052, 88.9807, 130.8526



95.7247, 88.9807, 289.3987



137.5724, 88.9807, 69.3717



# Rectangle

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



74.3238, 88.9807, 16.9991



49.7754, 88.9807, 49.1941



95.7247, 88.9807, 289.3987



132.6837, 88.9807, 168.3459

# Sweetspot

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



74.3258, 88.9849, 17.0009



87.0029, 96.7811, 66.5287



41.5554, 23.4400, 6.0767



18.4040, 20.6278, 13.0910



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.



74.3258, 88.9849, 17.0009



77.1047, 92.8215, 14.4183



48.0400, 75.4340, 15.7708



18.7274, 20.1908, 18.3726



39.0433, 47.0458, 7.0230



3.6161, 4.3573, 0.6504



# Inverse Universe

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



20.3028, 10.5730, 91.4187



18.5107, 7.7750, 95.1328



31.8093, 16.5048, 91.9572



16.2832, 16.6431, 21.7395



9.1529, 3.6612, 48.1978

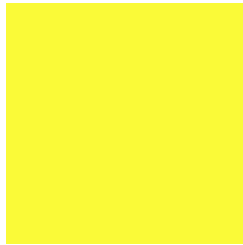


0.8477, 0.3391, 4.4639



# Previews

## White Background



This preview shows how the XYZ color 74.3238, 88.9807, 16.9991 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

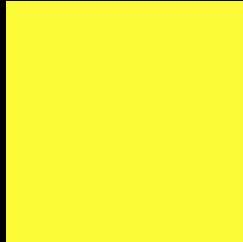
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.3238, 88.9807, 16.9991 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 74.3238, 88.9807, 16.9991**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.3238, 88.9807, 16.9991.



This preview shows how white text looks on a background with the XYZ color 74.3238, 88.9807,



# 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

74.3238, 88.9807, 16.9991

### Protanopia

82.5066, 88.5700, 62.6163

### Deuteranopia

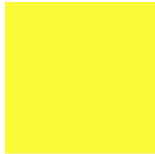
85.5849, 88.8541, 81.7470



## Tritanopia

88.3127, 88.5438, 100.4318

# Trichromacy



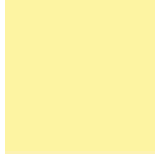
## Original Color

74.3238, 88.9807, 16.9991



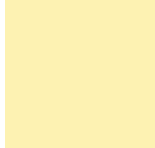
## Protanomaly

78.1183, 88.1706, 38.8880



## Deuteranomaly

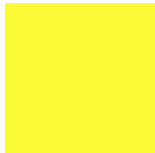
79.3803, 88.1926, 47.0215



## Tritanomaly

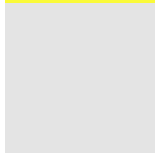
80.2960, 87.6013, 54.7962

# Monochromacy



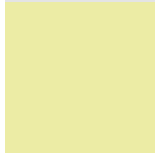
## Original Color

74.3238, 88.9807, 16.9991



## Achromatopsia

73.7419, 77.5822, 84.4870



## Achromatomaly

71.3791, 80.5404, 47.3811

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.3238, 88.9807, 16.9991 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(250, 250, 56)` looks like.

```
.text, #text, p{  
    color:rgb(250, 250, 56)  
}
```

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(250, 250, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 250, 56) }
```

## Border

The CSS property to change the border of an element to XYZ 74.3238, 88.9807, 16.9991 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(250, 250, 56) }
```



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

```
.border{ border-color:rgb(250, 250, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 250, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 250, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 250, 56);  
box-shadow:4px 4px 4px 4px rgb(250, 250,  
56) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.3238, 88.9807, 16.9991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 250, 56) }
```

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

```
.background{ background-color: rgb(250,  
250, 56) }
```

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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