

Converting Colors

XYZ(75.3785, 89.5371, 13.3095)

Have a look what the booklet for
XYZ(75.3785, 89.5371, 13.3095)
contains.

XYZ(75.4256, 89.6312, 13.3252)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(75.4256, 89.6312,
13.3252)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFA00
RGB	255, 250, 0
RGB Percent	100%, 98%, 0%
CMY	0.0000, 0.0196, 0.9998
CMYK	0.00, 0.02, 1.00, 0.00
HSL	59°, 100%, 50%
HSV	59°, 100%, 100%
XYZ	75.4256, 89.6312, 13.3252
YIQ	222.9950, 83.2300, -76.6900

Conversions

Conversions Part 2

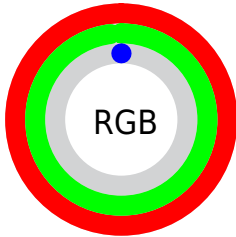
Format	Color
R _Y B	5, 255, 0
Decimal	16775680
CIE Lab	95.84, -19.17, 93.54
CIE LCh	96, 95.482, 101.585
Yxy	89.6312, 0.4228, 0.5025
Android (android.graphics.Color)	4294965760 (0xFFFFFA00)
YUV	222.9950, -109.9365, 28.0684
Hunter-Lab	94.6738, -23.4700, 57.9266

Details

The XYZ color **75.4256, 89.6312, 13.3252** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **18.1049, 7.3294, 95.0674**, and the grayscale version is **70.8564, 74.5465, 81.1811**.

A 20% lighter version of the original color is **79.0656, 93.6062, 24.7271**, and **41.2841, 49.9210, 7.4598** is the 20% darker color. If you saturate the color by 10%, you get **75.4272, 89.6349, 13.3258**, and if you desaturate by 10%, it is **75.7641, 90.0186, 14.3326**.

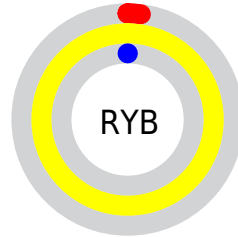
Distribution



Red (100%)

Green (98%)

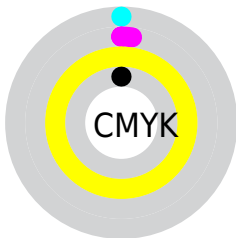
Blue (0%)



Red (2%)

Yellow (100%)

Blue (0%)

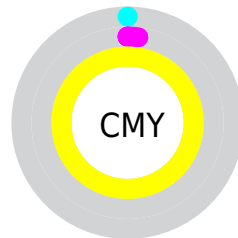


Cyan (0%)

Magenta (2%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (2%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.4256, 89.6312, 13.3252 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 75.4256, 89.6312, 13.3252 by changing the saturation by 10% instead.


 75.4256, 89.6312,
13.3252


 75.4256, 89.6312,
13.3252


468.3538,
526.8304, 224.2720

 56.2570, 67.6748,
7.5195


 125.8993,
146.8260, 32.5865


 40.6468, 49.6332,
3.7057


 157.9352,
182.8332, 46.8792


 28.2297, 35.1221,
1.4653


 194.9909,
224.2928, 64.8380

 18.6402, 23.7569,
0.1919

 237.4317,
271.5892, 86.8814

 11.5131, 15.1534,
0.0000

 285.6231,
325.1067, 113.4279

 6.4829, 8.9271,
0.0000

 339.9303,

 3.1843, 4.6937,

385.2299, 144.8962

0.0000

400.7188,
452.3430, 181.7047

■ 1.2519, 2.0687,
0.0000

■ 0.1468, 0.6469,
0.0000

■ 75.4256, 89.6312,
13.3252

■ 75.4256, 89.6312,
13.3252

■ 75.4272, 89.6349,
13.3258

■ 75.7641, 90.0186,
14.3326

■ 76.3369, 90.4970,
16.5807

■ 77.2181, 91.0993,
20.4502

■ 78.4515, 91.8433,
26.1731

■ 80.0743, 92.7436,
33.9441

■ 82.1187, 93.8132,
43.9332

■ 84.6137, 95.0638,
56.2929

■ 87.5855, 96.5057,
71.1619

■ 91.0586, 98.1488,
88.6685

Harmonies

Analogous

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



102.2041, 89.6312, 14.5461



75.4256, 89.6312, 13.3252



55.8175, 89.6312, 24.3607

Triad

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



75.4256, 89.6312, 13.3252



52.6617, 89.6312, 228.9002



142.8097, 89.6312, 150.9271

Complementary

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



75.4256, 89.6312, 13.3252



18.1049, 7.3294, 95.0674

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.



123.3994, 89.6312, 251.1458



75.4256, 89.6312, 13.3252



70.1805, 89.6312, 309.8780

Square

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



75.4256, 89.6312, 13.3252



44.6026, 89.6312, 129.6959



95.7665, 89.6312, 319.6367



145.0239, 89.6312, 71.2798

Rectangle

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



75.4256, 89.6312, 13.3252



47.9760, 89.6312, 43.5853



95.7665, 89.6312, 319.6367



137.9185, 89.6312, 184.1104

Sweetspot

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



75.4276, 89.6354, 13.3270



84.6102, 95.0625, 56.2726



41.2869, 21.2794, 2.1764



17.8728, 20.2296, 10.8658



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.



75.4276, 89.6354, 13.3270



75.4278, 89.6356, 13.3259



45.9161, 76.7552, 12.3963



19.5289, 21.0261, 19.1735



39.4265, 46.8642, 6.9677



3.8482, 4.5817, 0.6815

Inverse Universe

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



18.1049, 7.3294, 95.0674



18.1042, 7.3284, 95.0681



25.6608, 11.1442, 95.4055



17.0315, 17.4347, 22.7175



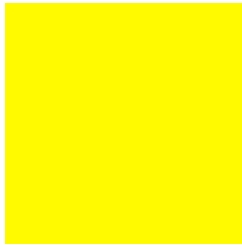
9.4722, 3.8539, 49.6792



0.9319, 0.3944, 4.8403

Previews

White Background



This preview shows how the XYZ color 75.4256, 89.6312, 13.3252 looks on a white background.

Color Contrast Check

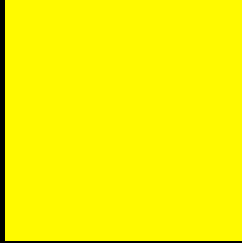
Large Text (above 18pt) WCAG AA × Fail

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 75.4256, 89.6312, 13.3252 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 75.4256, 89.6312, 13.3252

Background



This preview shows how black text looks on a background with the XYZ color 75.4256, 89.6312, 13.3252.

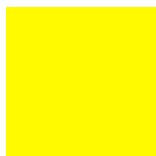


This preview shows how white text looks on a background with the XYZ color 75.4256, 89.6312,

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

75.4256, 89.6312, 13.3252



Protanopia

83.3686, 89.3924, 65.6838



Deuteranopia

86.1498, 89.5524, 83.2658



Tritanopia

88.7411, 89.6468, 99.8152

Trichromacy



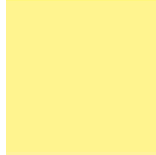
Original Color

75.4256, 89.6312, 13.3252



Protanomaly

77.8974, 88.6522, 32.4080



Deuteranomaly

78.5486, 87.9445, 38.8216



Tritanomaly

79.3764, 87.7955, 44.6609

Monochromacy



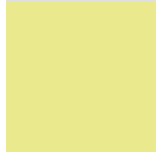
Original Color

75.4256, 89.6312, 13.3252



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

68.2823, 77.8930, 37.0272

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.4256, 89.6312, 13.3252 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, 250, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 250, 0)  
}
```

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, 250, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 250, 0) }
```

Border

The CSS property to change the border of an element to XYZ 75.4256, 89.6312, 13.3252 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, 250, 0) }
```


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

```
.border{ border-color:rgb(255, 250, 0) }
```

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

Here you see how a box with a 4 pixel rgb(255, 250, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 250, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 250, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 250,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 75.4256, 89.6312, 13.3252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 250, 0) }
```

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

```
.background{ background-color: rgb(255,  
250, 0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor