

# Converting Colors

XYZ(73.7529, 86.2411, 12.9055)

Have a look what the booklet for  
XYZ(73.7529, 86.2411, 12.9055)  
contains.

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# **Color**

**XYZ(73.6181, 85.9723,  
12.8578)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF405
RGB	255, 244, 5
RGB Percent	100%, 96%, 2%
CMY	0.0000, 0.0431, 0.9802
CMYK	0.00, 0.04, 0.98, 0.00
HSL	57°, 100%, 51%
HSV	57°, 98%, 100%
XYZ	73.6181, 85.9723, 12.8578
YIQ	220.0430, 83.2750, -71.9970

# Conversions

## Conversions Part 2

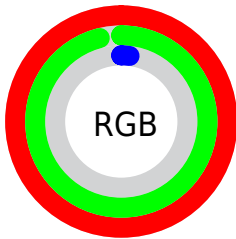
Format	Color
R <sub>Y</sub> B	17, 255, 5
Decimal	16774149
CIE Lab	94.30, -16.25, 92.05
CIE LCh	94, 93.475, 100.012
Yxy	85.9723, 0.4269, 0.4985
Android (android.graphics.Color)	4294964229 (0xFFFFF405)
YUV	220.0430, -106.0162, 30.6573
Hunter-Lab	92.7212, -20.5381, 56.6830

# Details

The XYZ color **73.6181, 85.9723, 12.8578** 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 **18.2986, 7.6239, 95.1142**, and the grayscale version is **68.7389, 72.3187, 78.7550**.

A 20% lighter version of the original color is **79.0656, 93.6062, 24.7271**, and **39.9755, 47.3039, 7.0236** is the 20% darker color. If you saturate the color by 10%, you get **73.5258, 85.8321, 12.6920**, and if you desaturate by 10%, it is **74.1722, 86.7388, 14.0975**.

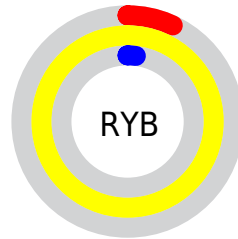
# Distribution



Red (100%)

Green (96%)

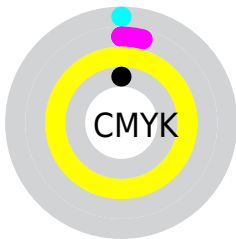
Blue (2%)



Red (7%)

Yellow (100%)

Blue (2%)

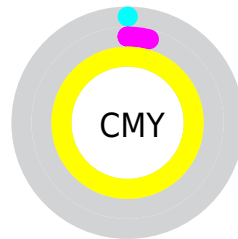


Cyan (0%)

Magenta (4%)

Yellow (98%)

Black (0%)



Cyan (0%)

Magenta (4%)

Yellow (98%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.6181, 85.9723, 12.8578 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 73.6181, 85.9723, 12.8578 by changing the saturation by 10% instead.



73.6181, 85.9723,  
12.8578

73.6181, 85.9723,  
12.8578

462.2249,  
514.8399, 221.1800

54.7717, 64.6451,  
7.2011

123.3527,  
141.7308, 31.7355

39.4521, 47.1733,  
3.5079

154.9716,  
176.9309, 45.7936

27.2939, 33.1727,  
1.3594

191.5787,  
217.5241, 63.4893

17.9318, 22.2588,  
0.1098

233.5394,  
263.8947, 85.2411

11.0004, 14.0472,  
0.0000

281.2190,  
316.4272, 111.4675

6.1344, 8.1535,  
0.0000

334.9829,

2.9684, 4.1933,

375.5060, 142.5871

0.0000

395.1964,  
441.5154, 179.0184

■ 1.1371, 1.7823,  
0.0000

■ 0.0558, 0.4761,  
0.0000

■ 73.6181, 85.9723,  
12.8578

■ 73.6181, 85.9723,  
12.8578

■ 73.5258, 85.8321,  
12.6920

■ 74.1722, 86.7388,  
14.0975

■ 74.9862, 87.6092,  
16.7041

■ 76.1194, 88.6107,  
20.9821

■ 77.6144, 89.7601,  
27.1546

79.5071, 91.0719,  
35.4108

81.8289, 92.5587,  
45.9168

84.6082, 94.2318,  
58.8221

87.8711, 96.1017,  
74.2631

91.6415, 98.1779,  
92.3663

# Harmonies

## Analogous

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



99.3213, 85.9723, 14.5837



73.6181, 85.9723, 12.8578



54.4780, 85.9723, 22.6935

# Triad

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



73.6181, 85.9723, 12.8578



50.0789, 85.9723, 213.3583



135.8925, 85.9723, 149.1646

# Complementary

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



73.6181, 85.9723, 12.8578



18.2986, 7.6239, 95.1142

# 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.



116.7846, 85.9723, 244.1261



73.6181, 85.9723, 12.8578



66.3213, 85.9723, 292.4736

# Square

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



73.6181, 85.9723, 12.8578



42.8472, 85.9723, 119.7154



90.3829, 85.9723, 305.9535



138.9603, 85.9723, 71.6042



# Rectangle

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



73.6181, 85.9723, 12.8578



46.6742, 85.9723, 40.1785



90.3829, 85.9723, 305.9535



130.9715, 85.9723, 180.9393

# Sweetspot

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



73.6200, 85.9764, 12.8595



84.3169, 94.0609, 57.4545



41.3998, 21.4114, 2.5033



17.7854, 19.9768, 11.0769



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.



73.6200, 85.9764, 12.8595



73.5264, 85.8327, 12.6921



47.0314, 77.3271, 12.5914



19.4887, 20.9456, 19.1601



38.4492, 44.9096, 6.6419



3.7640, 4.4134, 0.6535



# Inverse Universe

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



18.2986, 7.6239, 95.1142



18.1721, 7.4643, 95.0907



25.5107, 11.1473, 95.4142



17.0671, 17.5057, 22.7294



9.5228, 3.9552, 49.6961

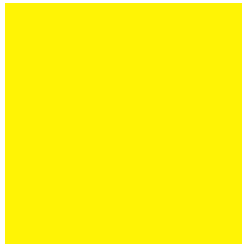


0.9487, 0.4282, 4.8459



# Previews

## White Background



This preview shows how the XYZ color 73.6181, 85.9723, 12.8578 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

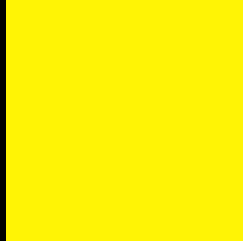
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.6181, 85.9723, 12.8578 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 73.6181, 85.9723, 12.8578**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.6181, 85.9723, 12.8578.



This preview shows how white text looks on a background with the XYZ color 73.6181, 85.9723,



# 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



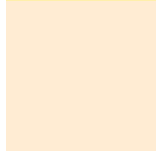
### Original Color

73.6181, 85.9723, 12.8578



### Protanopia

79.4572, 85.9333, 50.9270



### Deuteranopia

82.9933, 85.9541, 73.8446



## Tritanopia

86.4059, 85.9486, 96.0401

# Trichromacy



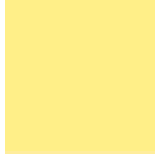
## Original Color

73.6181, 85.9723, 12.8578



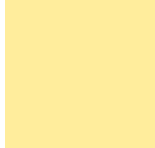
## Protanomaly

75.5645, 85.3183, 27.5243



## Deuteranomaly

76.5504, 84.7706, 35.6203



## Tritanomaly

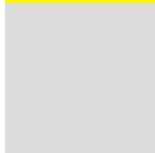
77.5249, 84.2287, 43.6242

# Monochromacy



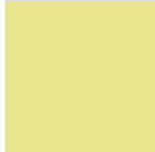
## Original Color

73.6181, 85.9723, 12.8578



## Achromatopsia

68.0267, 71.5694, 77.9390



## Achromatomaly

66.5061, 75.3153, 36.6232

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.6181, 85.9723, 12.8578 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, 244, 5)` looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 5)  
}
```

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, 244, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 5) }
```

## Border

The CSS property to change the border of an element to XYZ 73.6181, 85.9723, 12.8578 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, 244, 5) }
```



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

```
.border{ border-color:rgb(255, 244, 5) }
```

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

Here you see how a box with a 4 pixel rgb(255, 244, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 5);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
5) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.6181, 85.9723, 12.8578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 244, 5) }
```

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

```
.background{ background-color: rgb(255,  
244, 5) }
```

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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