

# Converting Colors

XYZ(75.1838, 83.1593, 11.0443)

Have a look what the booklet for  
XYZ(75.1838, 83.1593, 11.0443)  
contains.

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# **Color**

**XYZ(71.2355, 81.2509,  
11.9285)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEC00
RGB	255, 236, 0
RGB Percent	100%, 93%, 0%
CMY	0.0000, 0.0745, 0.9999
CMYK	0.00, 0.07, 1.00, 0.00
HSL	56°, 100%, 50%
HSV	56°, 100%, 100%
XYZ	71.2355, 81.2509, 11.9285
YIQ	214.7770, 87.0800, -69.3680

# Conversions

## Conversions Part 2

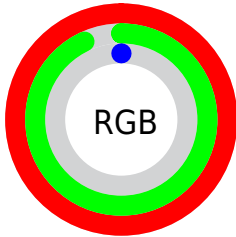
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	21, 255, 0
Decimal	16772096
CIE Lab	92.24, -12.39, 90.93
CIE LCh	92, 91.768, 97.760
Yxy	81.2509, 0.4333, 0.4942
Android (android.graphics.Color)	4294962176 (0xFFFFEC00)
YUV	214.7770, -105.8851, 35.2756
Hunter-Lab	90.1393, -16.6783, 55.2514

# Details

The XYZ color **71.2355, 81.2509, 11.9285** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light saturated yellow. A complement of this color would be **18.2836, 7.6868, 95.1272**, and the grayscale version is **65.0977, 68.4879, 74.5833**.

A 20% lighter version of the original color is **78.9758, 93.5703, 24.2543**, and **38.5162, 44.3852, 6.5372** is the 20% darker color. If you saturate the color by 10%, you get **71.2364, 81.2532, 11.9289**, and if you desaturate by 10%, it is **71.9683, 82.4269, 13.0671**.

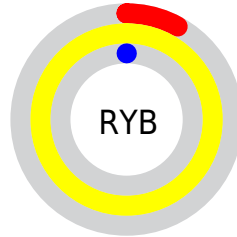
# Distribution



Red (100%)

Green (93%)

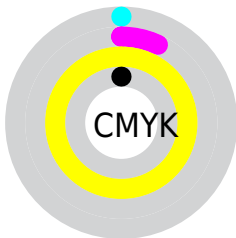
Blue (0%)



Red (8%)

Yellow (100%)

Blue (0%)

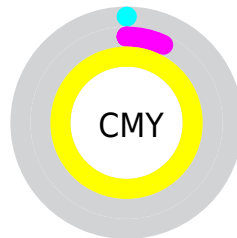


Cyan (0%)

Magenta (7%)

Yellow (100%)

Black (0%)



Cyan (0%)

Magenta (7%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.2355, 81.2509, 11.9285 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 71.2355, 81.2509, 11.9285 by changing the saturation by 10% instead.




 71.2355, 81.2509,  
11.9285


 71.2355, 81.2509,  
11.9285


454.0753,  
499.1385, 214.8925

 52.8176, 60.7483,  
6.5731


 119.9857,  
135.1230, 30.0273

 37.8841, 44.0220,  
3.1222


 151.0487,  
169.2613, 43.6077


 26.0696, 30.6878,  
1.1574

 187.0575,  
208.7135, 60.7668

 17.0086, 20.3613,  
0.0000

 228.3774,  
253.8642, 81.9232

 10.3360, 12.6579,  
0.0000

 275.3738,  
305.0976, 107.4955

 5.6863, 7.1934,  
0.0000

 328.4120,

 2.6941, 3.5834,

362.7982, 137.9020

0.0000

387.8574,  
427.3504, 173.5615

■ 0.9941, 1.4433,  
0.0000

■ 0.0000, 0.2483,  
0.0000

■ 71.2355, 81.2509,  
11.9285

■ 71.2355, 81.2509,  
11.9285

■ 71.2364, 81.2532,  
11.9289

■ 71.9683, 82.4269,  
13.0671

■ 72.9410, 83.7051,  
15.4483

■ 74.2274, 85.1181,  
19.4526

■ 75.8716, 86.6837,  
25.3121

■ 77.9106, 88.4165,  
33.2216

■ 80.3767, 90.3297,  
43.3510

■ 83.2989, 92.4348,  
55.8527

■ 86.7035, 94.7423,  
70.8656

■ 90.6149, 97.2621,  
88.5179

# Harmonies

## Analogous

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



95.7894, 81.2509, 14.3100



71.2355, 81.2509, 11.9285



52.5481, 81.2509, 20.2048

# Triad

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



71.2355, 81.2509, 11.9285



46.5123, 81.2509, 194.8632



127.5502, 81.2509, 147.6257

# Complementary

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



71.2355, 81.2509, 11.9285



18.2836, 7.6868, 95.1272

# 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.



108.6268, 81.2509, 236.9498



71.2355, 81.2509, 11.9285



61.2316, 81.2509, 272.5861

# Square

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



71.2355, 81.2509, 11.9285



40.3029, 81.2509, 107.2861



83.5444, 81.2509, 291.0130



131.7490, 81.2509, 71.9908



# Rectangle

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



71.2355, 81.2509, 11.9285



44.7401, 81.2509, 35.5140



83.5444, 81.2509, 291.0130



122.5374, 81.2509, 177.9477

# Sweetspot

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



71.2373, 81.2548, 11.9301



83.2951, 92.4324, 55.8343



41.3781, 21.3158, 2.6567



17.5527, 19.5892, 10.7590



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.



71.2373, 81.2548, 11.9301



71.2369, 81.2537, 11.9290



48.1114, 77.8870, 12.4990



19.4386, 20.8454, 19.1434



37.2717, 42.5545, 6.2494



3.6622, 4.2097, 0.6195



# Inverse Universe

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



18.2836, 7.6868, 95.1272



18.2828, 7.6856, 95.1276



24.0263, 10.3015, 95.3292



17.1117, 17.5950, 22.7442



9.5919, 4.0933, 49.7191



0.9699, 0.4704, 4.8530



# Previews

## White Background



This preview shows how the XYZ color 71.2355, 81.2509, 11.9285 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

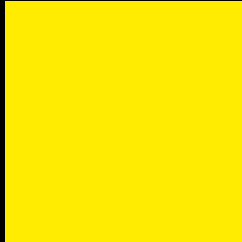
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.2355, 81.2509, 11.9285 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 71.2355, 81.2509, 11.9285

## Background



This preview shows how black text looks on a background with the XYZ color 71.2355, 81.2509, 11.9285.



This preview shows how white text looks on a background with the XYZ color 71.2355, 81.2509,



# 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

71.2355, 81.2509, 11.9285

### Protanopia

74.2752, 81.0963, 32.1605

### Deuteranopia

78.9969, 81.1937, 62.5473



## Tritanopia

83.1606, 81.1086, 89.8697

# Trichromacy



## Original Color

71.2355, 81.2509, 11.9285



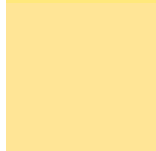
## Protanomaly

72.1480, 80.6997, 19.5586



## Deuteranomaly

73.6718, 80.4033, 30.3754



## Tritanomaly

74.7643, 79.5006, 40.2588

# Monochromacy



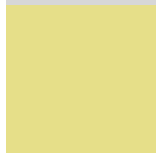
## Original Color

71.2355, 81.2509, 11.9285



## Achromatopsia

64.5905, 67.9542, 74.0022



## Achromatomaly

63.5362, 71.4045, 34.1006

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.2355, 81.2509, 11.9285 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, 236, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 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, 236, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 71.2355, 81.2509, 11.9285 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, 236, 0) }
```



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

```
.border{ border-color:rgb(255, 236, 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, 236, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.2355, 81.2509, 11.9285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 0) }
```

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

```
.background{ background-color: rgb(255,  
236, 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](#).

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