

# Converting Colors

XYZ(67.2457, 76.5086, 11.3448)

Have a look what the booklet for  
XYZ(67.2457, 76.5086, 11.3448)  
contains.

<b>XYZ(67.3857, 76.7421, 11.3760)</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(67.3857, 76.7421,  
11.3760)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9E604
RGB	249, 230, 4
RGB Percent	98%, 90%, 2%
CMY	0.0235, 0.0980, 0.9842
CMYK	0.00, 0.08, 0.98, 0.02
HSL	55°, 97%, 50%
HSV	55°, 98%, 98%
XYZ	67.3857, 76.7421, 11.3760
YIQ	209.9170, 83.8700, -66.2580

# Conversions

## Conversions Part 2

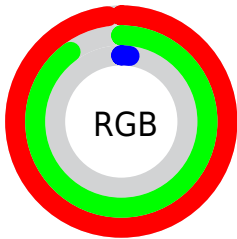
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	25, 249, 4
Decimal	16377348
CIELab	90.20, -11.93, 88.91
CIElCh	90, 89.707, 97.642
Yxy	76.7421, 0.4333, 0.4935
Android (android.graphics.Color)	4294567428 (0xFFFF9E604)
YUV	209.9170, -101.5171, 34.2758
Hunter-Lab	87.6026, -15.9986, 53.6224

# Details

The XYZ color **67.3857, 76.7421, 11.3760** 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 **17.4562, 7.4794, 90.1456**, and the grayscale version is **61.8154, 65.0346, 70.8227**.

A 20% lighter version of the original color is **78.9318, 93.5527, 24.0225**, and **36.0690, 41.3513, 6.0806** is the 20% darker color. If you saturate the color by 10%, you get **67.2784, 76.5630, 11.2322**, and if you desaturate by 10%, it is **68.1266, 77.9058, 12.6048**.

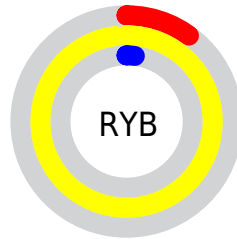
# Distribution



Red (98%)

Green (90%)

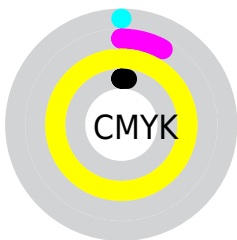
Blue (2%)



Red (10%)

Yellow (98%)

Blue (2%)

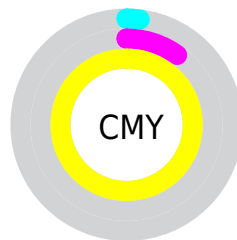


Cyan (0%)

Magenta (8%)

Yellow (98%)

Black (2%)



Cyan (2%)

Magenta (10%)

Yellow (98%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.3857, 76.7421, 11.3760 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 67.3857, 76.7421, 11.3760 by changing the saturation by 10% instead.



67.3857, 76.7421,  
11.3760

67.3857, 76.7421,  
11.3760

440.7274,  
483.8843, 211.0585

49.6700, 57.0412,  
6.2030

114.5197,  
128.7754, 29.0006

35.3680, 41.0383,  
2.8981

144.6686,  
161.8766, 42.2893

24.1143, 28.3490,  
1.0429

179.6927,  
200.2133, 59.1202

15.5436, 18.5889,  
0.0000

219.9572,  
244.1700, 79.9120

9.2906, 11.3736,  
0.0000

265.8276,  
294.1311, 105.0832

4.9898, 6.3187,  
0.0000

317.6692,

2.2760, 3.0398,

350.4809, 135.0523

0.0000

375.8473,  
413.6038, 170.2379

■ 0.7823, 1.1526,  
0.0000

■ 0.0000, 0.0224,  
0.0000

■ 67.3857, 76.7421,  
11.3760

■ 67.3857, 76.7421,  
11.3760

■ 67.2784, 76.5630,  
11.2322

■ 68.1266, 77.9058,  
12.6048

■ 69.1138, 79.1747,  
15.1091

■ 70.4057, 80.5750,  
19.1881

■ 72.0424, 82.1229,  
25.0535

■ 74.0580, 83.8320,  
32.8845

■ 76.4825, 85.7142,  
42.8383

■ 79.3426, 87.7805,  
55.0565

■ 82.6630, 90.0405,  
69.6683

■ 86.4663, 92.5035,  
86.7932

# Harmonies

## Analogous

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



90.4990, 76.7421, 13.6694



67.3857, 76.7421, 11.3760



49.7612, 76.7421, 19.1597

# Triad

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



67.3857, 76.7421, 11.3760



43.9819, 76.7421, 183.2426



120.2210, 76.7421, 139.5217

# Complementary

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



67.3857, 76.7421, 11.3760



17.4562, 7.4794, 90.1456

# 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.



102.3897, 76.7421, 223.4089



67.3857, 76.7421, 11.3760



57.8150, 76.7421, 256.3703

# Square

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



67.3857, 76.7421, 11.3760



38.1604, 76.7421, 100.9783



78.7937, 76.7421, 273.9474



124.2313, 76.7421, 68.2680



# Rectangle

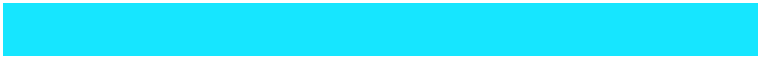
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.3857, 76.7421, 11.3760



42.3832, 76.7421, 33.5584



78.7937, 76.7421, 273.9474



115.4915, 76.7421, 168.0287

# Sweetspot

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



67.3874, 76.7458, 11.3775



83.2231, 92.2884, 55.8103



39.2800, 20.2950, 2.7358



17.5352, 19.5542, 10.7532



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.



67.3874, 76.7458, 11.3775



71.0140, 80.8081, 11.8547



45.9177, 73.9564, 11.9707



18.6055, 19.9468, 18.3319



36.0614, 41.0795, 6.0285



3.3731, 3.8711, 0.5694



# Inverse Universe

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



17.4562, 7.4794, 90.1456



18.2961, 7.7123, 95.1320



23.0986, 9.9975, 90.3343



16.3911, 16.8591, 21.7755



9.3184, 3.9924, 48.2530

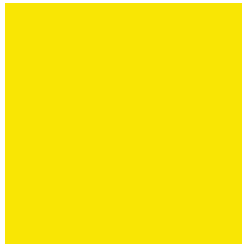


0.8992, 0.4421, 4.4811



# Previews

## White Background



This preview shows how the XYZ color 67.3857, 76.7421, 11.3760 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

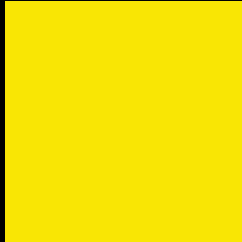
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.3857, 76.7421, 11.3760 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 67.3857, 76.7421, 11.3760**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.3857, 76.7421, 11.3760.



This preview shows how white text looks on a background with the XYZ color 67.3857, 76.7421,



# 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

67.3857, 76.7421, 11.3760

### Protanopia

69.3289, 76.4461, 14.3504

### Deuteranopia

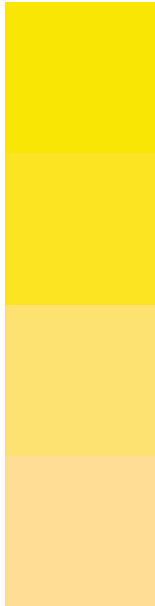
75.1977, 76.6371, 51.9034



## Tritanopia

80.3358, 76.5989, 85.4138

# Trichromacy



## Original Color

67.3857, 76.7421, 11.3760

## Protanomaly

68.5548, 76.4908, 12.7411

## Deuteranomaly

70.4139, 75.9253, 26.5666

## Tritanomaly

71.9746, 75.2633, 38.7508

# Monochromacy



## Original Color

67.3857, 76.7421, 11.3760

## Achromatopsia

61.2578, 64.4480, 70.1838

## Achromatomaly

59.9265, 67.2223, 32.7384

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.3857, 76.7421, 11.3760 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(249, 230, 4)` looks like.

```
.text, #text, p{  
    color:rgb(249, 230, 4)  
}
```

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(249, 230, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 230, 4) }
```

## Border

The CSS property to change the border of an element to XYZ 67.3857, 76.7421, 11.3760 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(249, 230, 4) }
```



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

```
.border{ border-color:rgb(249, 230, 4) }
```

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

Here you see how a box with a 4 pixel rgb(249, 230, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 230, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 230, 4);  
box-shadow:4px 4px 4px 4px rgb(249, 230,  
4) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.3857, 76.7421, 11.3760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 230, 4) }
```

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

```
.background{ background-color: rgb(249,  
230, 4) }
```

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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