

# Converting Colors

XYZ(69.0877, 78.4432, 11.9517)

Have a look what the booklet for  
XYZ(69.0877, 78.4432, 11.9517)  
contains.

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# **Color**

**XYZ(69.0877, 78.4432,  
11.9517)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCE80F
RGB	252, 232, 15
RGB Percent	99%, 91%, 6%
CMY	0.0118, 0.0902, 0.9411
CMYK	0.00, 0.08, 0.94, 0.01
HSL	55°, 98%, 52%
HSV	55°, 94%, 99%
XYZ	69.0877, 78.4432, 11.9517
YIQ	213.2420, 81.5770, -63.2470

# Conversions

## Conversions Part 2

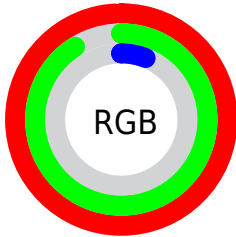
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	37, 252, 15
Decimal	16574479
CIE Lab	90.98, -11.57, 88.69
CIE LCh	91, 89.442, 97.429
Yxy	78.4432, 0.4332, 0.4919
Android (android.graphics.Color)	4294764559 (0xFFFC80F)
YUV	213.2420, -97.7333, 33.9908
Hunter-Lab	88.5682, -15.7552, 53.9969

# Details

The XYZ color **69.0877, 78.4432, 11.9517** 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 **18.3695, 8.3331, 92.7348**, and the grayscale version is **64.0077, 67.3410, 73.3344**.

A 20% lighter version of the original color is **79.0656, 93.6062, 24.7271**, and **37.2080, 42.5206, 6.2462** is the 20% darker color. If you saturate the color by 10%, you get **68.6475, 77.7012, 11.3797**, and if you desaturate by 10%, it is **69.9920, 79.7713, 13.7361**.

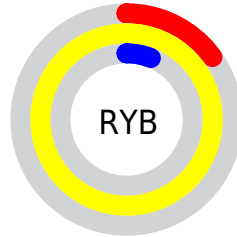
# Distribution



Red (99%)

Green (91%)

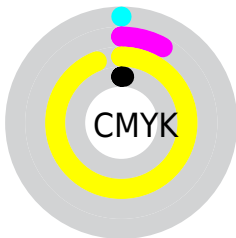
Blue (6%)



Red (15%)

Yellow (99%)

Blue (6%)

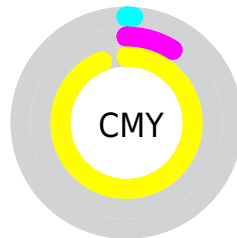


Cyan (0%)

Magenta (8%)

Yellow (94%)

Black (1%)



Cyan (1%)

Magenta (9%)


Yellow (94%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.0877, 78.4432, 11.9517 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 69.0877, 78.4432, 11.9517 by changing the saturation by 10% instead.




 69.0877, 78.4432,  
11.9517

 69.0877, 78.4432,  
11.9517


446.6568,  
489.6707, 215.0518

 51.0600, 58.4381,  
6.5887


 116.9402,  
131.1747, 30.0702

 36.4776, 42.1610,  
3.1317


 147.4958,  
164.6699, 43.6627

 24.9751, 29.2274,  
1.1623


 182.9580,  
203.4307, 60.8355

 16.1871, 19.2529,  
0.0000

 223.6923,  
247.8413, 82.0070

 9.7484, 11.8531,  
0.0000

 270.0639,  
298.2862, 107.5959

 5.2934, 6.6438,  
0.0000

 322.4383,

 2.4569, 3.2403,

355.1498, 138.0206

0.0000

381.1808,  
418.8165, 173.6997

■ 0.8736, 1.2585,  
0.0000

■ 0.0000, 0.1087,  
0.0000

■ 69.0877, 78.4432,  
11.9517

■ 69.0877, 78.4432,  
11.9517


■ 68.6475, 77.7012,  
11.3797


■ 69.9920, 79.7713,  
13.7361


■ 71.1811, 81.2219,  
16.9917


■ 72.7034, 82.8175,  
21.9666


■ 74.5974, 84.5735,  
28.8624

 76.8961, 86.5031,  
37.8531

 79.6288, 88.6180,  
49.0929

 82.8221, 90.9291,  
62.7218

 86.5004, 93.4459,  
78.8680

 90.6863, 96.1778,  
97.6511

# Harmonies

## Analogous

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



92.4803, 78.4432, 14.3842



69.0877, 78.4432, 11.9517



51.1760, 78.4432, 19.8610

# Triad

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



69.0877, 78.4432, 11.9517



45.1403, 78.4432, 185.3704



122.2229, 78.4432, 142.5277

# Complementary

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



69.0877, 78.4432, 11.9517



18.3695, 8.3331, 92.7348

# 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.



104.1568, 78.4432, 226.9483



69.0877, 78.4432, 11.9517



59.1149, 78.4432, 259.1853

# Square

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



69.0877, 78.4432, 11.9517



39.2816, 78.4432, 102.5055



80.3095, 78.4432, 277.3550



126.3828, 78.4432, 70.3318



# Rectangle

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



69.0877, 78.4432, 11.9517



43.6473, 78.4432, 34.4644



80.3095, 78.4432, 277.3550



117.4209, 78.4432, 171.2799

# Sweetspot

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



69.0895, 78.4469, 11.9533



83.7182, 92.4407, 58.5583



40.6773, 21.1823, 3.8402



17.6211, 19.5689, 11.2668



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.



69.0895, 78.4469, 11.9533



70.5170, 79.8140, 11.6890



48.8421, 76.8439, 12.7110



18.5948, 19.9254, 18.3283



35.8134, 40.5835, 5.9458



3.3528, 3.8304, 0.5626



# Inverse Universe

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



18.3695, 8.3331, 92.7348



18.3277, 7.7754, 95.1426



24.1491, 10.6737, 92.8820



16.4007, 16.8782, 21.7787



9.3369, 4.0293, 48.2592

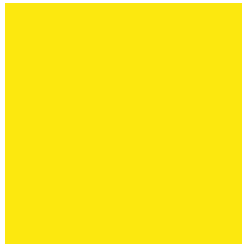


0.9037, 0.4512, 4.4826



# Previews

## White Background



This preview shows how the XYZ color 69.0877, 78.4432, 11.9517 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

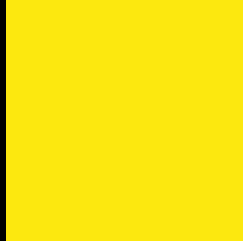
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.0877, 78.4432, 11.9517 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 69.0877, 78.4432, 11.9517

## Background



This preview shows how black text looks on a background with the XYZ color 69.0877, 78.4432, 11.9517.



This preview shows how white text looks on a background with the XYZ color 69.0877, 78.4432,



# 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

69.0877, 78.4432, 11.9517

### Protanopia

71.3823, 78.5918, 21.0803

### Deuteranopia

76.7125, 78.5293, 55.9142



## Tritanopia

81.2570, 78.2159, 86.4158

# Trichromacy



## Original Color

69.0877, 78.4432, 11.9517



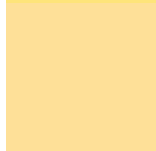
## Protanomaly

70.3462, 78.5815, 16.1627



## Deuteranomaly

72.1293, 77.9628, 29.6591



## Tritanomaly

73.1962, 76.6491, 40.6427

# Monochromacy



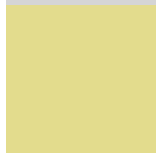
## Original Color

69.0877, 78.4432, 11.9517



## Achromatopsia

63.2451, 66.5387, 72.4607



## Achromatomaly

62.0795, 69.4404, 35.3307

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.0877, 78.4432, 11.9517 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(252, 232, 15)` looks like.

```
.text, #text, p{  
    color:rgb(252, 232, 15)  
}
```

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(252, 232, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 232, 15) }
```

## Border

The CSS property to change the border of an element to XYZ 69.0877, 78.4432, 11.9517 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(252, 232, 15) }
```



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

```
.border{ border-color:rgb(252, 232, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 232, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 232, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 232, 15);  
box-shadow:4px 4px 4px 4px rgb(252, 232,  
15) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.0877, 78.4432, 11.9517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 232, 15) }
```

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

```
.background{ background-color: rgb(252,  
232, 15) }
```

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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