

Converting Colors

XYZ(64.5753, 77.7130, 12.2223)

Have a look what the booklet for
XYZ(64.5753, 77.7130, 12.2223)
contains.

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Color

**XYZ(64.7051, 77.8708,
12.2363)**

Conversions

Conversions Part 1

Format	Color
Hex	ECEC13
RGB	236, 236, 19
RGB Percent	93%, 93%, 7%
CMY	0.0745, 0.0745, 0.9254
CMYK	0.00, 0.00, 0.92, 0.07
HSL	60°, 85%, 50%
HSV	60°, 92%, 93%
XYZ	64.7051, 77.8708, 12.2363
YIQ	211.2620, 69.6570, -67.4870

Conversions

Conversions Part 2

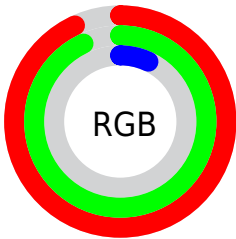
Format	Color
R _Y B	19, 236, 19
Decimal	15526931
CIE Lab	90.72, -20.16, 87.49
CIE LCh	91, 89.779, 102.973
Yxy	77.8708, 0.4180, 0.5030
Android (android.graphics.Color)	4293717011 (0xFFECEC13)
YUV	211.2620, -94.7852, 21.6952
Hunter-Lab	88.2444, -23.5429, 53.5497

Details

The XYZ color **64.7051, 77.8708, 12.2363** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **15.6436, 6.6617, 79.8231**, and the grayscale version is **62.6689, 65.9325, 71.8005**.

A 20% lighter version of the original color is **79.1577, 93.6431, 25.2121**, and **34.2031, 42.1617, 6.3353** is the 20% darker color. If you saturate the color by 10%, you get **64.5889, 77.8272, 11.6180**, and if you desaturate by 10%, it is **65.0185, 77.9991, 13.8778**.

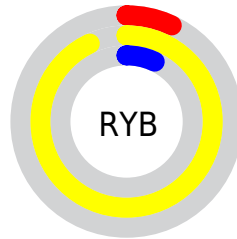
Distribution



Red (93%)

Green (93%)

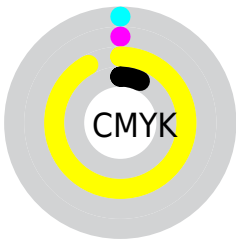
Blue (7%)



Red (7%)

Yellow (93%)

Blue (7%)

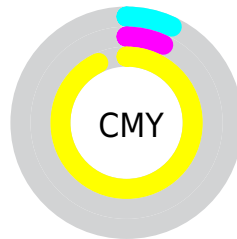


Cyan (0%)

Magenta (0%)

Yellow (92%)

Black (7%)



Cyan (7%)

Magenta (7%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.7051, 77.8708, 12.2363 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 64.7051, 77.8708, 12.2363 by changing the saturation by 10% instead.

64.7051, 77.8708,
12.2363

64.7051, 77.8708,
12.2363

431.2935,
487.7279, 216.9966

47.4858, 57.9679,
6.7803

110.6938,
130.3680, 30.5956

33.6294, 41.7828,
3.2487

140.1940,
163.7310, 44.3359

22.7706, 28.9313,
1.2230

174.5185,
202.3495, 61.6749

14.5440, 19.0288,
0.0000

214.0327,
246.6079, 83.0309

8.5842, 11.6911,
0.0000

259.1019,
296.8905, 108.8225

4.5259, 6.5337,
0.0000

310.0916,

2.0037, 3.1722,

353.5818, 139.4683

0.0000

367.3669,
417.0661, 175.3868

■ 0.6361, 1.2223,
0.0000

■ 0.0000, 0.0798,
0.0000

■ 64.7051, 77.8708,
12.2363

■ 64.7051, 77.8708,
12.2363

■ 64.5889, 77.8272,
11.6180

■ 65.0185, 77.9991,
13.8778

■ 65.5796, 78.2236,
16.8309

■ 66.4278, 78.5629,
21.2964

■ 67.5947, 79.0297,
27.4397

■ 69.1075, 79.6349,
35.4047

■ 70.9907, 80.3881,
45.3198

■ 73.2663, 81.2984,
57.3020

■ 75.9550, 82.3739,
71.4589

■ 79.0756, 83.6222,
87.8907

Harmonies

Analogous

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



87.4422, 77.8708, 12.8721



64.7051, 77.8708, 12.2363



48.2294, 77.8708, 22.5409

Triad

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



64.7051, 77.8708, 12.2363



46.6187, 77.8708, 200.6463



123.6637, 77.8708, 126.5688

Complementary

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



64.7051, 77.8708, 12.2363



15.6436, 6.6617, 79.8231

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.



107.6583, 77.8708, 211.8716



64.7051, 77.8708, 12.2363



62.0359, 77.8708, 267.4320

Square

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



64.7051, 77.8708, 12.2363



39.3067, 77.8708, 115.8141



84.1752, 77.8708, 272.3481



124.7840, 77.8708, 59.8661

Rectangle

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



64.7051, 77.8708, 12.2363



41.7331, 77.8708, 39.9717



84.1752, 77.8708, 272.3481



119.7174, 77.8708, 154.6121

Sweetspot

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



64.7069, 77.8744, 12.2379



85.6090, 96.2235, 59.1888



34.9452, 18.3475, 2.3166



18.0871, 20.5011, 11.4222



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.



64.7069, 77.8744, 12.2379



76.9969, 92.7784, 13.8499



38.9441, 64.5933, 11.0322



16.3520, 17.6270, 16.0592



35.6004, 42.8972, 6.4036



2.7955, 3.3685, 0.5028

Inverse Universe

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



15.6436, 6.6617, 79.8231



18.0501, 7.2201, 95.0500



24.2036, 11.0745, 80.2237



14.2313, 14.5490, 18.9804



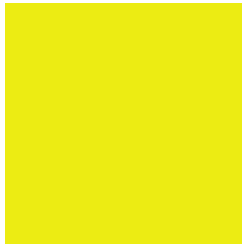
8.3457, 3.3383, 43.9475



0.6554, 0.2621, 3.4509

Previews

White Background



This preview shows how the XYZ color 64.7051, 77.8708, 12.2363 looks on a white background.

Color Contrast Check

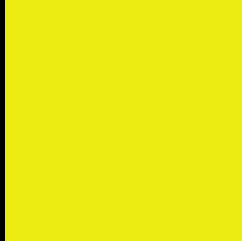
Large Text (above 18pt) WCAG AA × Fail

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 64.7051, 77.8708, 12.2363 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 64.7051, 77.8708, 12.2363

Background



This preview shows how black text looks on a background with the XYZ color 64.7051, 77.8708, 12.2363.

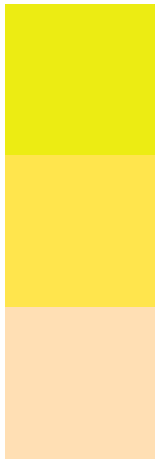


This preview shows how white text looks on a background with the XYZ color 64.7051, 77.8708,

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

64.7051, 77.8708, 12.2363

Protanopia

70.5989, 77.8344, 18.3238

Deuteranopia

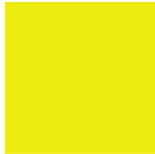
75.8659, 77.3306, 54.1078



Tritanopia

80.7625, 77.4729, 90.8179

Trichromacy



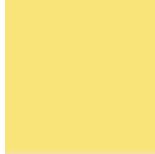
Original Color

64.7051, 77.8708, 12.2363



Protanomaly

68.2818, 77.9552, 15.1894



Deuteranomaly

69.9060, 76.8237, 29.2332



Tritanomaly

71.1028, 75.9119, 43.2527

Monochromacy



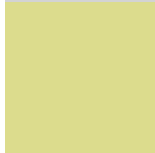
Original Color

64.7051, 77.8708, 12.2363



Achromatopsia

61.9161, 65.1406, 70.9381



Achromatomaly

59.9161, 68.3251, 35.2295

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.7051, 77.8708, 12.2363 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(236, 236, 19)` looks like.

```
.text, #text, p{  
    color:rgb(236, 236, 19)  
}
```

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(236, 236, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 236, 19) }
```

Border

The CSS property to change the border of an element to XYZ 64.7051, 77.8708, 12.2363 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(236, 236, 19) }
```


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

```
.border{ border-color:rgb(236, 236, 19) }
```

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

Here you see how a box with a 4 pixel rgb(236, 236, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 236, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 236, 19);  
box-shadow:4px 4px 4px 4px rgb(236, 236,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 64.7051, 77.8708, 12.2363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 236, 19) }
```

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

```
.background{ background-color: rgb(236,  
236, 19) }
```

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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