

Converting Colors

XYZ(64.7837, 77.3996, 14.2312)

Have a look what the booklet for
XYZ(64.7837, 77.3996, 14.2312)
contains.

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Color

**XYZ(64.8135, 77.4548,
14.2236)**

Conversions

Conversions Part 1

Format	Color
Hex	ECEB2F
RGB	236, 235, 47
RGB Percent	93%, 92%, 18%
CMY	0.0745, 0.0784, 0.8156
CMYK	0.00, 0.00, 0.80, 0.07
HSL	60°, 83%, 55%
HSV	60°, 80%, 93%
XYZ	64.8135, 77.4548, 14.2236
YIQ	213.8670, 60.9440, -58.2560

Conversions

Conversions Part 2

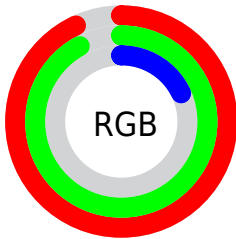
Format	Color
R _Y B	48, 236, 47
Decimal	15526703
CIE Lab	90.53, -19.09, 82.19
CIE LCh	91, 84.381, 103.075
Yxy	77.4548, 0.4142, 0.4949
Android (android.graphics.Color)	4293716783 (0xFFECEB2F)
YUV	213.8670, -82.2654, 19.4106
Hunter-Lab	88.0084, -22.5590, 52.0237

Details

The XYZ color **64.8135, 77.4548, 14.2236** 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 **17.3700, 8.7747, 80.1344**, and the grayscale version is **64.3367, 67.6873, 73.7114**.

A 20% lighter version of the original color is **79.8692, 93.9277, 28.9592**, and **34.2258, 41.8726, 6.2783** is the 20% darker color. If you saturate the color by 10%, you get **64.4253, 77.2457, 12.3466**, and if you desaturate by 10%, it is **65.4623, 77.7741, 17.4574**.

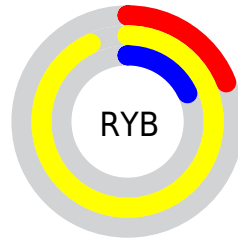
Distribution



Red (93%)

Green (92%)

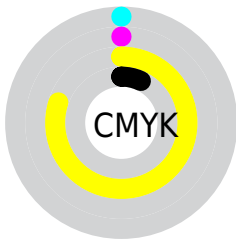
Blue (18%)



Red (19%)

Yellow (93%)

Blue (18%)

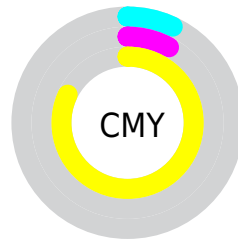


Cyan (0%)

Magenta (0%)

Yellow (80%)

Black (7%)



Cyan (7%)

Magenta (8%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.8135, 77.4548, 14.2236 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 64.8135, 77.4548, 14.2236 by changing the saturation by 10% instead.

64.8135, 77.4548,
14.2236

64.8135, 77.4548,
14.2236

431.6773,
486.3133, 230.0940

47.5740, 57.6262,
8.1358

110.8489,
129.7813, 34.2081

33.6995, 41.5082,
4.0930

140.3755,
163.0480, 48.9418

22.8246, 28.7164,
1.6765

174.7285,
201.5628, 67.3947

14.5841, 18.8664,
0.3445

214.2733,
245.7102, 89.9852

8.6124, 11.5738,
0.0000

259.3752,
295.8746, 117.1318

4.5443, 6.4542,
0.0000

310.3996,

2.0144, 3.1232,

352.4403, 149.2531

0.0000

367.7119,
415.7917, 186.7677

■ 0.6421, 1.1964,
0.0000

■ 0.0000, 0.0587,
0.0000

■ 64.8135, 77.4548,
14.2236

■ 64.8135, 77.4548,
14.2236

■ 64.4253, 77.2457,
12.3466


■ 65.4623, 77.7741,
17.4574


■ 64.2313, 77.1118,
11.4987


■ 66.4028, 78.2071,
22.2347


■ 67.6673, 78.7698,
28.7178


■ 69.2824, 79.4727,
37.0475

 71.2721, 80.3256,
47.3496

 73.6583, 81.3371,
59.7394

 76.4611, 82.5152,
74.3228

 79.6993, 83.8676,
91.1989

 82.6724, 85.1140,
106.6791

Harmonies

Analogous

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



86.0770, 77.4548, 14.8495



64.8135, 77.4548, 14.2236



49.2338, 77.4548, 24.7364

Triad

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



64.8135, 77.4548, 14.2236



47.7740, 77.4548, 191.2279



119.6717, 77.4548, 122.9003

Complementary

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



64.8135, 77.4548, 14.2236



17.3700, 8.7747, 80.1344

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.



104.9604, 77.4548, 200.9177



64.8135, 77.4548, 14.2236



62.4241, 77.4548, 251.5661

Square

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



64.8135, 77.4548, 14.2236



40.7397, 77.4548, 113.4573



83.1868, 77.4548, 255.7776



120.6500, 77.4548, 60.6785

Rectangle

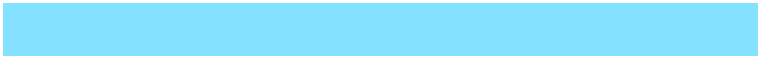
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.8135, 77.4548, 14.2236



43.0378, 77.4548, 41.8921



83.1868, 77.4548, 255.7776



116.0567, 77.4548, 148.6768

Sweetspot

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



64.8153, 77.4584, 14.2252



86.6127, 96.4611, 64.9751



36.1879, 20.0982, 5.0077



18.3239, 20.5555, 12.7923



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.



64.8153, 77.4584, 14.2252



76.6471, 91.9847, 14.0080



42.1247, 66.1841, 13.2449



16.3448, 17.6126, 16.0568



35.4090, 42.5123, 6.3394



2.7827, 3.3427, 0.4985

Inverse Universe

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



17.3700, 8.7747, 80.1344



18.3030, 7.5365, 95.0977



26.6971, 13.5234, 80.5594



14.2376, 14.5616, 18.9825



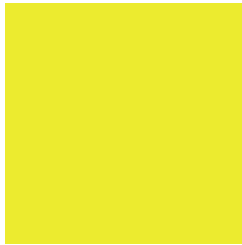
8.3559, 3.3589, 43.9509



0.6584, 0.2682, 3.4519

Previews

White Background



This preview shows how the XYZ color 64.8135, 77.4548, 14.2236 looks on a white background.

Color Contrast Check

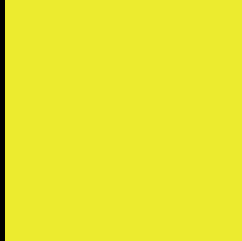
Large Text (above 18pt) WCAG AA × Fail

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 64.8135, 77.4548, 14.2236 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 64.8135, 77.4548, 14.2236

Background



This preview shows how black text looks on a background with the XYZ color 64.8135, 77.4548, 14.2236.



This preview shows how white text looks on a background with the XYZ color 64.8135, 77.4548,

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

64.8135, 77.4548, 14.2236

Protanopia

70.0576, 77.1765, 16.8343

Deuteranopia

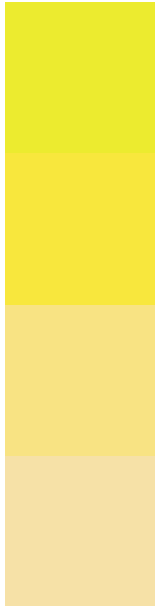
75.7644, 77.2900, 53.5731



Tritanopia

80.2555, 77.2284, 90.0335

Trichromacy



Original Color

64.8135, 77.4548, 14.2236

Protanomaly

68.1296, 77.4452, 15.7725

Deuteranomaly

70.2772, 76.5333, 32.5411

Tritanomaly

71.9063, 76.2333, 47.4838

Monochromacy



Original Color

64.8135, 77.4548, 14.2236

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

61.9952, 70.0721, 40.3948

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.8135, 77.4548, 14.2236 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, 235, 47)` looks like.

```
.text, #text, p{  
    color:rgb(236, 235, 47)  
}
```

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, 235, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 235, 47) }
```

Border

The CSS property to change the border of an element to XYZ 64.8135, 77.4548, 14.2236 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, 235, 47) }
```


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

```
.border{ border-color:rgb(236, 235, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 235, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 235, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 235, 47);  
box-shadow:4px 4px 4px 4px rgb(236, 235,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 64.8135, 77.4548, 14.2236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 235, 47) }
```

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

```
.background{ background-color: rgb(236,  
235, 47) }
```

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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