

Converting Colors

XYZ(64.2597, 82.6611, 12.5683)

Have a look what the booklet for
XYZ(64.2597, 82.6611, 12.5683)
contains.

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Color

**XYZ(64.0012, 82.3688,
12.5256)**

Conversions

Conversions Part 1

Format	Color
Hex	E0F700
RGB	224, 247, 0
RGB Percent	88%, 97%, 0%
CMY	0.1216, 0.0313, 0.9998
CMYK	0.09, 0.00, 1.00, 0.03
HSL	66°, 100%, 48%
HSV	66°, 100%, 97%
XYZ	64.0012, 82.3688, 12.5256
YIQ	211.9650, 65.5790, -81.6930

Conversions

Conversions Part 2

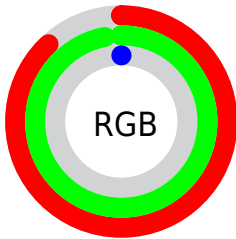
Format	Color
RYB	0, 247, 23
Decimal	14743296
CIELab	92.74, -30.45, 90.21
CIELCh	93, 95.209, 108.651
Yxy	82.3688, 0.4028, 0.5184
Android (android.graphics.Color)	4292933376 (0xFFE0F700)
YUV	211.9650, -104.4987, 10.5547
Hunter-Lab	90.7573, -32.9486, 55.3473

Details

The XYZ color **64.0012, 82.3688, 12.5256** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **17.1443, 6.8993, 88.4289**, and the grayscale version is **63.2034, 66.4949, 72.4130**.

A 20% lighter version of the original color is **79.0204, 93.5882, 24.4892**, and **33.9406, 45.1541, 6.9268** is the 20% darker color. If you saturate the color by 10%, you get **64.0017, 82.3719, 12.5261**, and if you desaturate by 10%, it is **64.8936, 82.8117, 13.4691**.

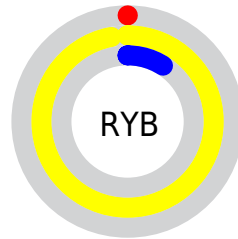
Distribution



Red (88%)

Green (97%)

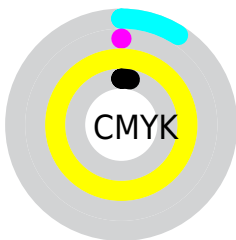
Blue (0%)



Red (0%)

Yellow (97%)

Blue (9%)

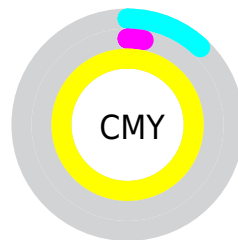


Cyan (9%)

Magenta (0%)

Yellow (100%)

Black (3%)



Cyan (12%)

Magenta (3%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.0012, 82.3688, 12.5256 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 64.0012, 82.3688, 12.5256 by changing the saturation by 10% instead.


 64.0012, 82.3688,
12.5256

 64.0012, 82.3688,
12.5256


428.7961,
502.8805, 218.9545


 46.9133, 61.6696,
6.9758


 109.6864,
136.6911, 31.1274

 33.1748, 44.7658,
3.3688


 139.0144,
171.0829, 45.0166


 22.4203, 31.2730,
1.2859


 173.1532,
210.8077, 62.5226

 14.2844, 20.8068,
0.0502

 212.4681,
256.2499, 84.0640

 8.4017, 12.9828,
0.0000

 257.3245,
307.7939, 110.0593

 4.4070, 7.4167,
0.0000

 308.0878,

 1.9349, 3.7241,

365.8241, 140.9272

0.0000

365.1232,
430.7248, 177.0860

■ 0.5970, 1.5204,
0.0000

■ 0.0000, 0.3030,
0.0000

■ 64.0012, 82.3688,
12.5256

■ 64.0012, 82.3688,
12.5256

■ 64.0017, 82.3719,
12.5261

■ 64.8936, 82.8117,
13.4691

■ 66.0124, 83.3433,
15.5624

■ 67.4269, 83.9944,
19.1623

■ 69.1780, 84.7811,
24.4831

■ 71.2997, 85.7172,
31.7046

■ 73.8219, 86.8147,
40.9840

■ 76.7715, 88.0842,
52.4622

■ 80.1728, 89.5357,
66.2677

■ 84.0485, 91.1779,
82.5191

Harmonies

Analogous

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



88.0581, 82.3688, 11.3520



64.0012, 82.3688, 12.5256



47.6574, 82.3688, 26.3150

Triad

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



64.0012, 82.3688, 12.5256



50.8104, 82.3688, 236.3326



135.0008, 82.3688, 119.3510

Complementary

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



64.0012, 82.3688, 12.5256



17.1443, 6.8993, 88.4289

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.



119.8440, 82.3688, 213.6272



64.0012, 82.3688, 12.5256



69.2706, 82.3688, 301.4246

Square

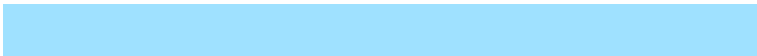
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.0012, 82.3688, 12.5256



41.2269, 82.3688, 140.8630



94.5593, 82.3688, 291.4321



132.7521, 82.3688, 52.7015

Rectangle

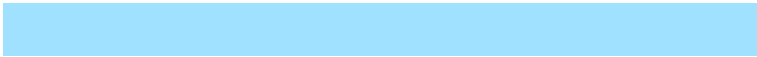
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.0012, 82.3688, 12.5256



41.7300, 82.3688, 48.5723



94.5593, 82.3688, 291.4321



131.6624, 82.3688, 149.1919

Sweetspot

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



64.0031, 82.3726, 12.5273



82.5127, 94.6878, 56.3109



38.6214, 20.2978, 1.8834



17.3624, 20.1388, 10.8752



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.



64.0031, 82.3726, 12.5273



68.7940, 88.5496, 13.4660



38.8498, 69.4056, 11.3502



17.7536, 19.2305, 17.5737



33.9116, 43.5949, 6.6273



3.0240, 3.8540, 0.5845

Inverse Universe

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



17.1443, 6.8993, 88.4289



18.4209, 7.4112, 95.0674



28.3096, 12.6552, 88.9514



15.7243, 16.0005, 20.8022



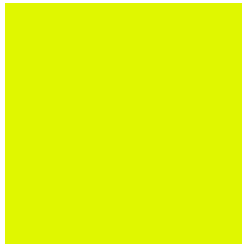
9.1162, 3.6739, 46.7667



0.8488, 0.3474, 4.1126

Previews

White Background



This preview shows how the XYZ color 64.0012, 82.3688, 12.5256 looks on a white background.

Color Contrast Check

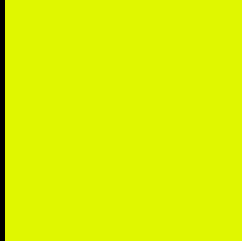
Large Text (above 18pt) WCAG AA × Fail

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 64.0012, 82.3688, 12.5256 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 64.0012, 82.3688, 12.5256

Background



This preview shows how black text looks on a background with the XYZ color 64.0012, 82.3688, 12.5256.

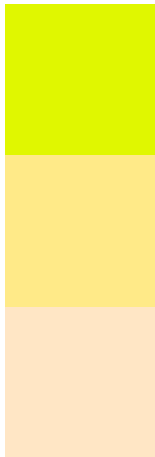


This preview shows how white text looks on a background with the XYZ color 64.0012, 82.3688,

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

64.0012, 82.3688, 12.5256

Protanopia

75.1068, 81.8832, 35.1390

Deuteranopia

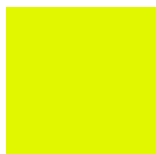
79.6149, 81.8848, 64.4325



Tritanopia

81.8580, 82.2482, 100.3680

Trichromacy



Original Color

64.0012, 82.3688, 12.5256



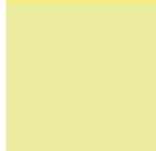
Protanomaly

69.8950, 81.6542, 21.0938



Deuteranomaly

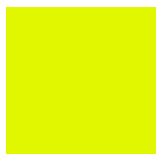
71.0054, 80.7047, 31.2372



Tritanomaly

70.4280, 80.1217, 44.1008

Monochromacy



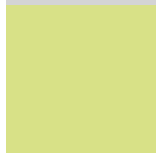
Original Color

64.0012, 82.3688, 12.5256



Achromatopsia

62.5785, 65.8375, 71.6970



Achromatomaly

59.6173, 70.1986, 33.3292

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.0012, 82.3688, 12.5256 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(224, 247, 0)` looks like.

```
.text, #text, p{  
    color:rgb(224, 247, 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(224, 247, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 247, 0) }
```

Border

The CSS property to change the border of an element to XYZ 64.0012, 82.3688, 12.5256 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(224, 247, 0) }
```


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

```
.border{ border-color:rgb(224, 247, 0) }
```

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

Here you see how a box with a 4 pixel rgb(224, 247, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 247, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 247, 0);  
box-shadow:4px 4px 4px 4px rgb(224, 247,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 64.0012, 82.3688, 12.5256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 247, 0) }
```

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

```
.background{ background-color: rgb(224,  
247, 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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