

Converting Colors

XYZ(63.6416, 76.9091, 12.0634)

Have a look what the booklet for
XYZ(63.6416, 76.9091, 12.0634)
contains.

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Color

**XYZ(63.7492, 76.9528,
12.0657)**

Conversions

Conversions Part 1

Format	Color
Hex	EAEB12
RGB	234, 235, 18
RGB Percent	92%, 92%, 7%
CMY	0.0824, 0.0784, 0.9293
CMYK	0.00, 0.00, 0.92, 0.08
HSL	60°, 86%, 50%
HSV	60°, 92%, 92%
XYZ	63.7492, 76.9528, 12.0657
YIQ	209.9630, 69.0610, -67.6990

Conversions

Conversions Part 2

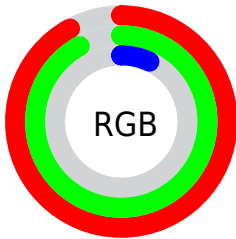
Format	Color
R_{YB}	18, 235, 19
Decimal	15395602
CIE Lab	90.30, -20.52, 87.21
CIE LCh	90, 89.593, 103.239
Yxy	76.9528, 0.4173, 0.5037
Android (android.graphics.Color)	4293585682 (0xFFEAEB12)
YUV	209.9630, -94.6378, 21.0804
Hunter-Lab	87.7227, -23.7967, 53.2510

Details

The XYZ color **63.7492, 76.9528, 12.0657** 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 **15.4821, 6.5706, 79.0544**, and the grayscale version is **61.8079, 65.0267, 70.8141**.

A 20% lighter version of the original color is **79.1113, 93.6245, 24.9681**, and **33.7768, 41.6412, 6.2573** is the 20% darker color. If you saturate the color by 10%, you get **63.6141, 76.8985, 11.4901**, and if you desaturate by 10%, it is **64.0868, 77.0949, 13.6491**.

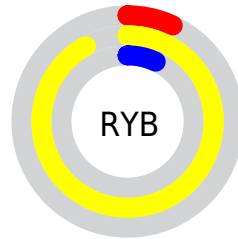
Distribution



Red (92%)

Green (92%)

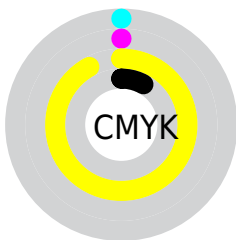
Blue (7%)



Red (7%)

Yellow (92%)

Blue (7%)

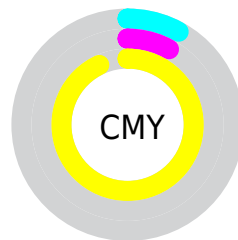


Cyan (0%)

Magenta (0%)

Yellow (92%)

Black (8%)



Cyan (8%)


Magenta (8%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.7492, 76.9528, 12.0657 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 63.7492, 76.9528, 12.0657 by changing the saturation by 10% instead.


 63.7492, 76.9528,
12.0657

 63.7492, 76.9528,
12.0657


427.9000,
484.6031, 215.8331


 46.7085, 57.2141,
6.6654


 109.3254,
129.0729, 30.2809


 33.0122, 41.1772,
3.1785


 138.5916,
162.2230, 43.9328


 22.2951, 28.4576,
1.1865


 172.6638,
200.6125, 61.1724

 14.1917, 18.6709,
0.0000

 211.9071,
244.6257, 82.4180

 8.3367, 11.4327,
0.0000

 256.6870,
294.6469, 108.0884

 4.3648, 6.3587,
0.0000

 307.3689,

 1.9105, 3.0644,

351.0606, 138.6020

0.0000

364.3181,
414.2512, 174.3774

■ 0.5829, 1.1654,
0.0000

■ 0.0000, 0.0332,
0.0000

■ 63.7492, 76.9528,
12.0657

■ 63.7492, 76.9528,
12.0657

■ 63.6141, 76.8985,
11.4901

■ 64.0868, 77.0949,
13.6491

■ 64.6681, 77.3315,
16.5228

■ 65.5324, 77.6814,
20.8869

■ 66.7111, 78.1570,
26.9063

■ 68.2313, 78.7693,
34.7240

■ 70.1172, 79.5278,
44.4677

■ 72.3910, 80.4414,
56.2534

■ 75.0728, 81.5183,
70.1880

■ 78.1817, 82.7660,
86.3709

Harmonies

Analogous

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



86.2256, 76.9528, 12.6109



63.7492, 76.9528, 12.0657



47.5108, 76.9528, 22.3661

Triad

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



63.7492, 76.9528, 12.0657



46.1256, 76.9528, 199.2989



122.3956, 76.9528, 124.4554

Complementary

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



63.7492, 76.9528, 12.0657



15.4821, 6.5706, 79.0544

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.



106.6458, 76.9528, 208.9695



63.7492, 76.9528, 12.0657



61.4526, 76.9528, 265.1099

Square

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



63.7492, 76.9528, 12.0657



38.8214, 76.9528, 115.1958



83.4134, 76.9528, 269.3461



123.3604, 76.9528, 58.6815

Rectangle

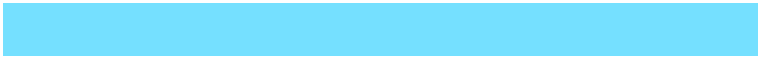
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.7492, 76.9528, 12.0657



41.1310, 76.9528, 39.7446



83.4134, 76.9528, 269.3461



118.5288, 76.9528, 152.1898

Sweetspot

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



63.7509, 76.9564, 12.0673



85.4880, 96.1611, 59.1831



34.5891, 18.1404, 2.2516



18.0572, 20.4857, 11.4208



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.



63.7509, 76.9564, 12.0673



76.5658, 92.5561, 13.8297



38.4998, 63.9390, 10.8855



16.3447, 17.6232, 16.0589



35.4052, 42.7965, 6.3945



2.7824, 3.3617, 0.5022

Inverse Universe

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



15.4821, 6.5706, 79.0544



18.0648, 7.2276, 95.0507



23.8933, 10.9067, 79.4481



14.2377, 14.5523, 18.9807



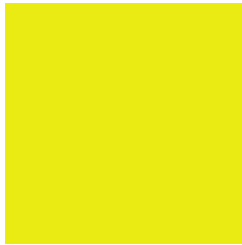
8.3561, 3.3437, 43.9479



0.6584, 0.2637, 3.4511

Previews

White Background



This preview shows how the XYZ color 63.7492, 76.9528, 12.0657 looks on a white background.

Color Contrast Check

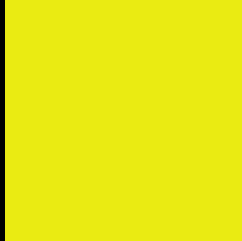
Large Text (above 18pt) WCAG AA × Fail

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 63.7492, 76.9528, 12.0657 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 63.7492, 76.9528, 12.0657

Background



This preview shows how black text looks on a background with the XYZ color 63.7492, 76.9528, 12.0657.



This preview shows how white text looks on a background with the XYZ color 63.7492, 76.9528,

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

63.7492, 76.9528, 12.0657

Protanopia

69.6493, 77.0131, 14.6841

Deuteranopia

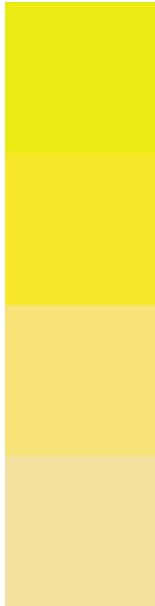
75.1977, 76.6371, 51.9034



Tritanopia

79.6361, 76.5229, 89.9300

Trichromacy



Original Color

63.7492, 76.9528, 12.0657

Protanomaly

67.3339, 77.0861, 13.4280

Deuteranomaly

69.1566, 76.0442, 28.4858

Tritanomaly

70.0497, 74.9787, 42.6786

Monochromacy



Original Color

63.7492, 76.9528, 12.0657

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

59.2786, 67.6166, 34.7379

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7492, 76.9528, 12.0657 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(234, 235, 18)` looks like.

```
.text, #text, p{  
    color:rgb(234, 235, 18)  
}
```

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(234, 235, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 235, 18) }
```

Border

The CSS property to change the border of an element to XYZ 63.7492, 76.9528, 12.0657 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(234, 235, 18) }
```


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

```
.border{ border-color:rgb(234, 235, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 235, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 235, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 235, 18);  
box-shadow:4px 4px 4px 4px rgb(234, 235,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7492, 76.9528, 12.0657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 235, 18) }
```

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

```
.background{ background-color: rgb(234,  
235, 18) }
```

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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