

Converting Colors

XYZ(63.7230, 76.7820, 11.4619)

Have a look what the booklet for
XYZ(63.7230, 76.7820, 11.4619)
contains.

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Color

**XYZ(63.9693, 77.0788,
11.5062)**

Conversions

Conversions Part 1

Format	Color
Hex	EBEB00
RGB	235, 235, 0
RGB Percent	92%, 92%, 0%
CMY	0.0784, 0.0784, 0.9999
CMYK	0.00, 0.00, 1.00, 0.08
HSL	60°, 100%, 46%
HSV	60°, 100%, 92%
XYZ	63.9693, 77.0788, 11.5062
YIQ	208.2100, 75.4350, -73.0850

Conversions

Conversions Part 2

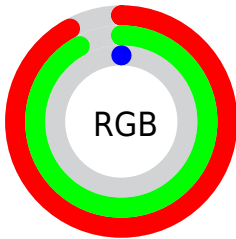
Format	Color
RYB	0, 235, 0
Decimal	15461120
CIELab	90.36, -20.26, 88.82
CIELCh	90, 91.102, 102.852
Yxy	77.0788, 0.4193, 0.5053
Android (android.graphics.Color)	4293651200 (0xFFEBEB00)
YUV	208.2100, -102.6475, 23.4948
Hunter-Lab	87.7945, -23.5809, 53.6857

Details

The XYZ color **63.9693, 77.0788, 11.5062** 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 **14.9972, 5.9996, 78.9697**, and the grayscale version is **60.7063, 63.8677, 69.5520**.

A 20% lighter version of the original color is **78.9318, 93.5527, 24.0225**, and **33.7768, 41.6412, 6.2573** is the 20% darker color. If you saturate the color by 10%, you get **63.9708, 77.0823, 11.5068**, and if you desaturate by 10%, it is **64.1312, 77.1465, 12.3497**.

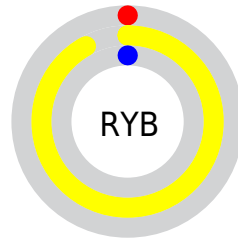
Distribution



Red (92%)

Green (92%)

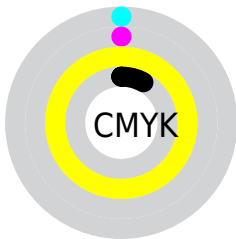
Blue (0%)



Red (0%)

Yellow (92%)

Blue (0%)

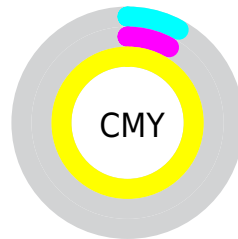


Cyan (0%)

Magenta (0%)

Yellow (100%)

Black (8%)



Cyan (8%)


Magenta (8%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.9693, 77.0788, 11.5062 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 63.9693, 77.0788, 11.5062 by changing the saturation by 10% instead.


 63.9693, 77.0788,
11.5062

 63.9693, 77.0788,
11.5062


428.6827,
485.0327, 211.9688


 46.8874, 57.3176,
6.2900


 109.6407,
129.2507, 29.2433


 33.1542, 41.2602,
2.9506


 138.9609,
162.4302, 42.6013


 22.4044, 28.5225,
1.0694

 173.0913,
200.8511, 59.5102

 14.2726, 18.7199,
0.0000

 212.3971,
244.8980, 80.3887

 8.3935, 11.4681,
0.0000

 257.2439,
294.9552, 105.6553

 4.4017, 6.3826,
0.0000

 307.9968,

 1.9318, 3.0791,

351.4071, 135.7284

0.0000

365.0213,
414.6381, 171.0268

■ 0.5952, 1.1732,
0.0000

■ 0.0000, 0.0396,
0.0000

■ 63.9693, 77.0788,
11.5062

■ 63.9693, 77.0788,
11.5062

■ 63.9708, 77.0823,
11.5068

■ 64.1312, 77.1465,
12.3497

■ 64.4851, 77.2881,
14.2125

■ 65.0941, 77.5317,
17.4179

■ 65.9939, 77.8916,
22.1549

67.2147, 78.3800,
28.5823

68.7829, 79.0073,
36.8392

70.7222, 79.7831,
47.0502

73.0542, 80.7159,
59.3291

75.7988, 81.8137,
73.7808

Harmonies

Analogous

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



86.9079, 77.0788, 12.1636



63.9693, 77.0788, 11.5062



47.3906, 77.0788, 21.5686

Triad

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



63.9693, 77.0788, 11.5062



45.6799, 77.0788, 200.9775



123.4219, 77.0788, 126.4721

Complementary

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



63.9693, 77.0788, 11.5062



14.9972, 5.9996, 78.9697

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.



107.1608, 77.0788, 213.0811



63.9693, 77.0788, 11.5062



61.1233, 77.0788, 269.1691

Square

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



63.9693, 77.0788, 11.5062



38.3965, 77.0788, 114.9362



83.4117, 77.0788, 274.4819



124.6257, 77.0788, 59.0643

Rectangle

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



63.9693, 77.0788, 11.5062



40.8642, 77.0788, 38.8112



83.4117, 77.0788, 274.4819



119.4026, 77.0788, 154.9169

Sweetspot

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



63.9710, 77.0824, 11.5078



85.0853, 96.0140, 56.4313



34.2636, 17.6641, 1.6046



17.9888, 20.4618, 10.9045



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.



63.9710, 77.0824, 11.5078



76.9972, 92.7785, 13.8499



37.1166, 63.2385, 10.2510



16.3520, 17.6270, 16.0592



35.6005, 42.8972, 6.4036



2.7955, 3.3685, 0.5028

Inverse Universe

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



14.9972, 5.9996, 78.9697



18.0501, 7.2200, 95.0500



22.4030, 9.8174, 79.3162



14.2313, 14.5490, 18.9804



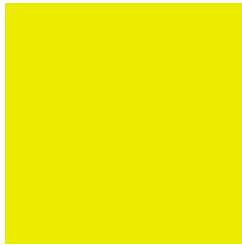
8.3457, 3.3383, 43.9475



0.6554, 0.2621, 3.4509

Previews

White Background



This preview shows how the XYZ color 63.9693, 77.0788, 11.5062 looks on a white background.

Color Contrast Check

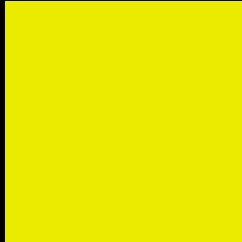
Large Text (above 18pt) WCAG AA × Fail

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 63.9693, 77.0788, 11.5062 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 63.9693, 77.0788, 11.5062

Background



This preview shows how black text looks on a background with the XYZ color 63.9693, 77.0788, 11.5062.



This preview shows how white text looks on a background with the XYZ color 63.9693, 77.0788,

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

63.9693, 77.0788, 11.5062

Protanopia

69.7471, 77.0523, 15.1995

Deuteranopia

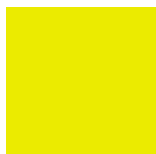
75.2971, 76.6769, 52.4265



Tritanopia

79.6361, 76.5229, 89.9300

Trichromacy



Original Color

63.9693, 77.0788, 11.5062



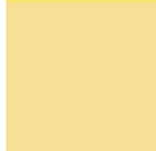
Protanomaly

67.6212, 77.2419, 13.0954



Deuteranomaly

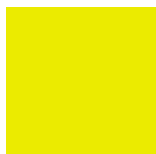
69.1611, 76.0869, 26.6638



Tritanomaly

69.8169, 74.9258, 39.6365

Monochromacy



Original Color

63.9693, 77.0788, 11.5062



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

58.1497, 66.7142, 31.6421

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.9693, 77.0788, 11.5062 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(235, 235, 0)` looks like.

```
.text, #text, p{  
    color:rgb(235, 235, 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(235, 235, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 235, 0) }
```

Border

The CSS property to change the border of an element to XYZ 63.9693, 77.0788, 11.5062 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(235, 235, 0) }
```


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

```
.border{ border-color:rgb(235, 235, 0) }
```

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

Here you see how a box with a 4 pixel rgb(235, 235, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 235, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 235, 0);  
box-shadow:4px 4px 4px 4px rgb(235, 235,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9693, 77.0788, 11.5062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 235, 0) }
```

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

```
.background{ background-color: rgb(235,  
235, 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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