

Converting Colors

XYZ(49.7731, 52.2694, 11.3366)

Have a look what the booklet for
XYZ(49.7731, 52.2694, 11.3366)
contains.

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Color

**XYZ(49.7731, 52.2694,
11.3366)**

Conversions

Conversions Part 1

Format	Color
Hex	E1BC39
RGB	225, 188, 57
RGB Percent	88%, 74%, 22%
CMY	0.1176, 0.2627, 0.7765
CMYK	0.00, 0.16, 0.75, 0.12
HSL	47°, 74%, 55%
HSV	47°, 75%, 88%
XYZ	49.7731, 52.2694, 11.3366
YIQ	184.1290, 64.1030, -32.8970

Conversions

Conversions Part 2

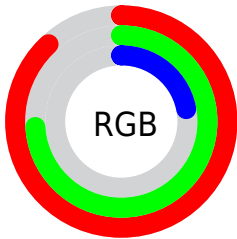
Format	Color
RYB	104, 225, 57
Decimal	14793785
CIELab	77.44, 0.25, 67.02
CIELCh	77, 67.018, 89.786
Yxy	52.2694, 0.4390, 0.4610
Android (android.graphics.Color)	4292983865 (0xFFE1BC39)
YUV	184.1290, -62.6746, 35.8439
Hunter-Lab	72.2976, -3.6329, 41.3114

Details

The XYZ color **49.7731, 52.2694, 11.3366** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **19.2807, 14.3113, 72.9799**, and the grayscale version is **45.9435, 48.3361, 52.6380**.

A 20% lighter version of the original color is **76.5713, 87.1536, 28.4094**, and **24.3899, 25.4349, 3.6240** is the 20% darker color. If you saturate the color by 10%, you get **48.2913, 50.0141, 8.6603**, and if you desaturate by 10%, it is **51.5421, 54.7019, 15.3358**.

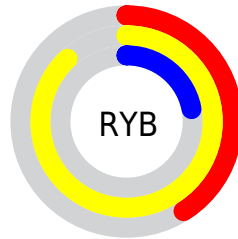
Distribution



Red (88%)

Green (74%)

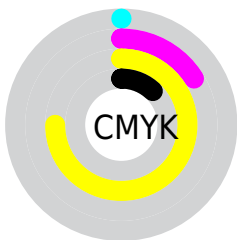
Blue (22%)



Red (41%)

Yellow (88%)

Blue (22%)

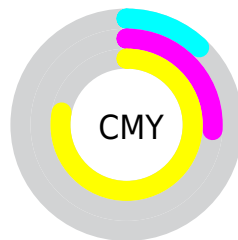


Cyan (0%)

Magenta (16%)

Yellow (75%)

Black (12%)



Cyan (12%)


Magenta (26%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7731, 52.2694, 11.3366 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 49.7731, 52.2694, 11.3366 by changing the saturation by 10% instead.


 49.7731, 52.2694,
11.3366


 49.7731, 52.2694,
11.3366


376.2446,
395.4758, 210.7821

 35.4502, 37.2199,
6.1767


 89.0324, 93.5284,
28.9270

 24.1780, 25.3778,
2.8823


 114.6996,
120.5067, 42.1947


 15.5912, 16.3587,
1.0349


 144.8789,
152.2300, 59.0020

 9.3243, 9.7784,
0.0000

 179.9356,
189.0827, 79.7674

 5.0121, 5.2522,
0.0000

 220.2352,
231.4493, 104.9097

 2.2892, 2.3960,
0.0000

266.1430,

 0.7891, 0.8238,

279.7140, 134.8471

0.0000

318.0244,
334.2614, 169.9985

■ 0.0000, 0.0000,
0.0000

■ 49.7731, 52.2694,
11.3366

■ 49.7731, 52.2694,
11.3366

■ 48.2913, 50.0141,
8.6603

■ 51.5421, 54.7019,
15.3358

■ 47.0572, 47.9133,
7.1160

■ 53.6244, 57.3163,
20.8084

■ 46.4695, 46.8441,
6.5926

■ 56.0465, 60.1259,
27.8880

■ 58.8311, 63.1404,
36.6922

■ 61.9988, 66.3685,
47.3276

■ 65.5685, 69.8182,
59.8922

■ 69.5578, 73.4973,
74.4769

■ 73.9831, 77.4127,
91.1669

■ 78.1263, 81.2777,
106.1782

Harmonies

Analogous

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



63.2346, 52.2694, 14.9559



49.7731, 52.2694, 11.3366



38.3512, 52.2694, 14.8475

Triad

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



49.7731, 52.2694, 11.3366



31.1158, 52.2694, 99.9882



74.3405, 52.2694, 100.6581

Complementary

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



49.7731, 52.2694, 11.3366



19.2807, 14.3113, 72.9799

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.



63.0465, 52.2694, 143.4859



49.7731, 52.2694, 11.3366



38.2164, 52.2694, 142.9955

Square

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



49.7731, 52.2694, 11.3366



28.7786, 52.2694, 56.6479



49.5880, 52.2694, 161.5780



78.8354, 52.2694, 57.1779

Rectangle

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



49.7731, 52.2694, 11.3366



33.0469, 52.2694, 22.2695



49.5880, 52.2694, 161.5780



71.1268, 52.2694, 116.1875

Sweetspot

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



49.7743, 52.2719, 11.3376



83.4821, 89.2687, 66.8026



34.6352, 19.7825, 13.1085



17.6038, 18.8461, 13.3821



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.



49.7743, 52.2719, 11.3376



63.1239, 64.7384, 10.1170



46.5329, 63.8730, 13.7477



14.6023, 15.4906, 14.5271



26.8680, 27.1739, 3.8290



1.9264, 2.0116, 0.2868

Inverse Universe

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



19.2807, 14.3113, 72.9799



21.0503, 12.6071, 95.9317



20.5111, 11.1762, 72.3099



13.1956, 13.7303, 17.3424



8.5487, 4.5670, 41.4793



0.6587, 0.4490, 2.8972

Previews

White Background



This preview shows how the XYZ color 49.7731, 52.2694, 11.3366 looks on a white background.

Color Contrast Check

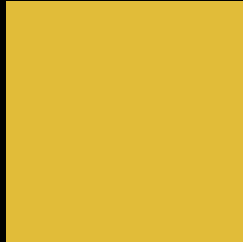
Large Text (above 18pt) WCAG AA × Fail

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 49.7731, 52.2694, 11.3366 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 49.7731, 52.2694, 11.3366

Background



This preview shows how black text looks on a background with the XYZ color 49.7731, 52.2694, 11.3366.



This preview shows how white text looks on a background with the XYZ color 49.7731, 52.2694,

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

49.7731, 52.2694, 11.3366

Protanopia

47.6377, 52.4518, 11.6164

Deuteranopia

53.4525, 52.2969, 11.4147



Tritanopia

58.9716, 52.3870, 55.1477

Trichromacy



Original Color

49.7731, 52.2694, 11.3366

Protanomaly

48.6079, 52.6272, 11.5991

Deuteranomaly

52.1652, 52.2486, 11.3386

Tritanomaly

54.0840, 51.5545, 32.2998

Monochromacy



Original Color

49.7731, 52.2694, 11.3366

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

45.4896, 48.6750, 31.0424

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7731, 52.2694, 11.3366 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(225, 188, 57)` looks like.

```
.text, #text, p{  
    color:rgb(225, 188, 57)  
}
```

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(225, 188, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 188, 57) }
```

Border

The CSS property to change the border of an element to XYZ 49.7731, 52.2694, 11.3366 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(225, 188, 57) }
```


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

```
.border{ border-color:rgb(225, 188, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 188, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 188, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 188, 57);  
box-shadow:4px 4px 4px 4px rgb(225, 188,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7731, 52.2694, 11.3366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 188, 57) }
```

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

```
.background{ background-color: rgb(225,  
188, 57) }
```

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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