

Converting Colors

XYZ(49.6035, 52.1969, 10.7374)

Have a look what the booklet for
XYZ(49.6035, 52.1969, 10.7374)
contains.

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Color

**XYZ(49.6544, 52.2219,
10.7116)**

Conversions

Conversions Part 1

Format	Color
Hex	E1BC34
RGB	225, 188, 52
RGB Percent	88%, 74%, 20%
CMY	0.1176, 0.2627, 0.7961
CMYK	0.00, 0.16, 0.77, 0.12
HSL	47°, 74%, 54%
HSV	47°, 77%, 88%
XYZ	49.6544, 52.2219, 10.7116
YIQ	183.5590, 65.7080, -34.4520

Conversions

Conversions Part 2

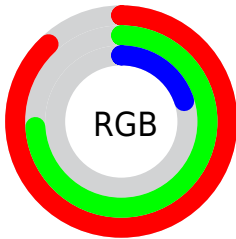
Format	Color
R _Y B	99, 225, 52
Decimal	14793780
CIE Lab	77.41, 0.05, 68.73
CIE LCh	77, 68.731, 89.957
Yxy	52.2219, 0.4410, 0.4638
Android (android.graphics.Color)	4292983860 (0xFFE1BC34)
YUV	183.5590, -64.8586, 36.3438
Hunter-Lab	72.2647, -3.8127, 41.7969

Details

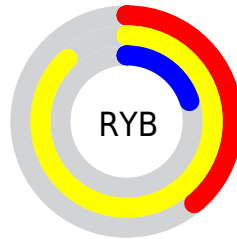
The XYZ color **49.6544, 52.2219, 10.7116** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **18.5792, 13.3110, 72.8237**, and the grayscale version is **45.6389, 48.0157, 52.2891**.

A 20% lighter version of the original color is **76.3510, 87.0655, 27.2492**, and **24.1810, 25.3273, 3.6142** is the 20% darker color. If you saturate the color by 10%, you get **48.2529, 50.0460, 8.3121**, and if you desaturate by 10%, it is **51.3339, 54.5679, 14.3953**.

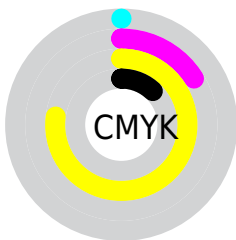
Distribution



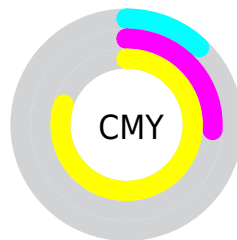
- Red (88%)
- Green (74%)
- Blue (20%)



- Red (39%)
- Yellow (88%)
- Blue (20%)



- Cyan (0%)
- Magenta (16%)
- Yellow (77%)
- Black (12%)





- Cyan (12%)
- Magenta (26%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6544, 52.2219, 10.7116 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 49.6544, 52.2219, 10.7116 by changing the saturation by 10% instead.


 49.6544, 52.2219,
10.7116

 49.6544, 52.2219,
10.7116


375.7873,
395.2927, 206.3440


 35.3555, 37.1820,
5.7615


 88.8575, 93.4584,
27.7541

 24.1047, 25.3484,
2.6342


 114.4925,
120.4238, 40.6836


 15.5364, 16.3368,
0.9100


 144.6368,
152.1331, 57.1099

 9.2855, 9.7628,
0.0000

 179.6560,
188.9708, 77.4517

 4.9865, 5.2420,
0.0000

 219.9152,
231.3212, 102.1275

 2.2740, 2.3899,
0.0000

 265.7799,

 0.7813, 0.8207,

279.5687, 131.5558

0.0000

317.6155,
334.0977, 166.1551

■ 0.0000, 0.0000,
0.0000

■ 49.6544, 52.2219,
10.7116

■ 49.6544, 52.2219,
10.7116

■ 48.2529, 50.0460,
8.3121

■ 51.3339, 54.5679,
14.3953

■ 47.0863, 48.0163,
6.9875

■ 53.3184, 57.0893,
19.5197

■ 46.7506, 47.4063,
6.6863

■ 55.6353, 59.7995,
26.2224

■ 58.3079, 62.7083,
34.6239

■ 61.3570, 65.8246,
44.8331

■ 64.8018, 69.1566,
56.9496

■ 68.6603, 72.7118,
71.0658

■ 72.9491, 76.4976,
87.2682

■ 77.6839, 80.5205,
105.6379

Harmonies

Analogous

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



63.4794, 52.2219, 14.2577



49.6544, 52.2219, 10.7116



37.9940, 52.2219, 14.2360

Triad

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



49.6544, 52.2219, 10.7116



30.7095, 52.2219, 101.5075



75.0499, 52.2219, 101.6466

Complementary

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



49.6544, 52.2219, 10.7116



18.5792, 13.3110, 72.8237

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.



63.4405, 52.2219, 146.1235



49.6544, 52.2219, 10.7116



37.9664, 52.2219, 146.0212

Square

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



49.6544, 52.2219, 10.7116



28.3093, 52.2219, 56.8062



49.6163, 52.2219, 165.1401



79.6391, 52.2219, 56.9153

Rectangle

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



49.6544, 52.2219, 10.7116



32.6084, 52.2219, 21.7086



49.6163, 52.2219, 165.1401



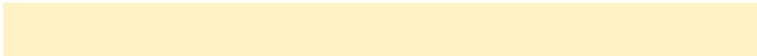
71.7481, 52.2219, 117.7295

Sweetspot

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



49.6556, 52.2244, 10.7126



83.1324, 89.0388, 65.2383



34.1031, 19.1934, 11.4661



17.4504, 18.7204, 12.7731



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.



49.6556, 52.2244, 10.7126



63.1612, 64.8946, 9.8776



45.4460, 63.3263, 13.0774



14.6100, 15.5060, 14.5297



27.0283, 27.4945, 3.8824



1.9362, 2.0313, 0.2900

Inverse Universe

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



18.5792, 13.3110, 72.8237



20.5725, 11.8246, 95.8058



20.1878, 10.6605, 72.2274



13.1884, 13.7160, 17.3400



8.5127, 4.4950, 41.4673



0.6553, 0.4421, 2.8960

Previews

White Background



This preview shows how the XYZ color 49.6544, 52.2219, 10.7116 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 49.6544, 52.2219, 10.7116 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 49.6544, 52.2219, 10.7116

Background



This preview shows how black text looks on a background with the XYZ color 49.6544, 52.2219, 10.7116.



This preview shows how white text looks on a background with the XYZ color 49.6544, 52.2219,

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

49.6544, 52.2219, 10.7116

Protanopia

47.5166, 52.4034, 10.9786

Deuteranopia

53.3527, 52.2570, 10.8890



Tritanopia

58.7762, 51.9962, 55.0825

Trichromacy



Original Color

49.6544, 52.2219, 10.7116

Protanomaly

48.4868, 52.5787, 10.9613

Deuteranomaly

52.0673, 52.2095, 10.8232

Tritanomaly

53.9365, 51.4955, 31.5230

Monochromacy



Original Color

49.6544, 52.2219, 10.7116

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

45.3461, 48.6176, 30.2867

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6544, 52.2219, 10.7116 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, 52)` looks like.

```
.text, #text, p{  
    color:rgb(225, 188, 52)  
}
```

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, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 188, 52) }
```

Border

The CSS property to change the border of an element to XYZ 49.6544, 52.2219, 10.7116 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, 52) }
```


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

```
.border{ border-color:rgb(225, 188, 52) }
```

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, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 188, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 188, 52);  
box-shadow:4px 4px 4px 4px rgb(225, 188,  
52) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6544, 52.2219, 10.7116 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, 52) }
```

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

```
.background{ background-color: rgb(225,  
188, 52) }
```

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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