

Converting Colors

XYZ(51.8482, 50.0535, 12.3435)

Have a look what the booklet for
XYZ(51.8482, 50.0535, 12.3435)
contains.

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Color

**XYZ(51.6906, 49.8662,
12.3696)**

Conversions

Conversions Part 1

Format	Color
Hex	EDB144
RGB	237, 177, 68
RGB Percent	93%, 69%, 27%
CMY	0.0706, 0.3059, 0.7333
CMYK	0.00, 0.25, 0.71, 0.07
HSL	39°, 82%, 60%
HSV	39°, 71%, 93%
XYZ	51.6906, 49.8662, 12.3696
YIQ	182.5140, 70.7490, -21.1790

Conversions

Conversions Part 2

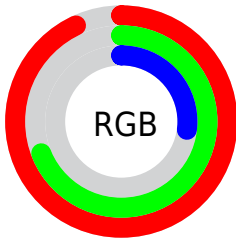
Format	Color
RYB	161, 237, 68
Decimal	15577412
CIELab	75.99, 11.63, 61.73
CIELCh	76, 62.820, 79.331
Yxy	49.8662, 0.4537, 0.4377
Android (android.graphics.Color)	4293767492 (0xFFEDB144)
YUV	182.5140, -56.4554, 47.7842
Hunter-Lab	70.6160, 7.0832, 39.0455

Details

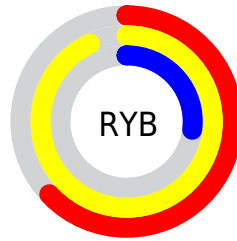
The XYZ color **51.6906, 49.8662, 12.3696** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **25.3888, 22.7808, 83.1792**, and the grayscale version is **45.0169, 47.3612, 51.5764**.

A 20% lighter version of the original color is **73.6095, 80.3784, 30.0473**, and **25.4706, 24.0165, 3.3219** is the 20% darker color. If you saturate the color by 10%, you get **49.4976, 46.4133, 8.7628**, and if you desaturate by 10%, it is **54.2806, 53.6458, 17.5511**.

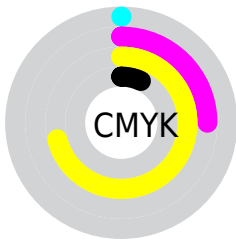
Distribution



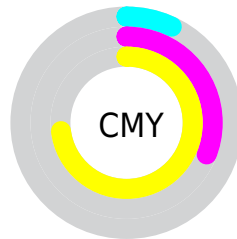
- Red (93%)
- Green (69%)
- Blue (27%)



- Red (63%)
- Yellow (93%)
- Blue (27%)



- Cyan (0%)
- Magenta (25%)
- Yellow (71%)
- Black (7%)



- Cyan (7%)
- Magenta (31%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.6906, 49.8662, 12.3696 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 51.6906, 49.8662, 12.3696 by changing the saturation by 10% instead.

51.6906, 49.8662,
12.3696

51.6906, 49.8662,
12.3696

383.5846,
386.1425, 217.9011

36.9818, 35.3071,
6.8703

91.8517, 89.9766,
30.8409

25.3670, 23.8995,
3.3039

118.0347,
116.2967, 44.6500

16.4809, 15.2591,
1.2518

148.7732,
147.3059, 62.0661

9.9581, 9.0014,
0.0218

184.4324,
183.3886, 83.5078

5.4332, 4.7421,
0.0000

225.3779,
224.9292, 109.3936

2.5410, 2.0968,
0.0000

271.9748,

0.9160, 0.6628,

272.3121, 140.1421

0.0000

324.5886,
325.9218, 176.1717

■ 0.0000, 0.0000,
0.0000

■ 51.6906, 49.8662,
12.3696

■ 51.6906, 49.8662,
12.3696

■ 49.4976, 46.4133,
8.7628

■ 54.2806, 53.6458,
17.5511

■ 47.6585, 43.2611,
6.5287


■ 57.2973, 57.7609,
24.4707


■ 46.2941, 40.7429,
5.4242


■ 60.7710, 62.2284,
33.2740


■ 64.7279, 67.0615,
44.0906

■ 69.1920, 72.2723,
57.0384

 74.1854, 77.8725,
72.2264

 79.7289, 83.8727,
89.7557

 85.4199, 90.1146,
107.4995

 88.0139, 95.3026,
108.3642

Harmonies

Analogous

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



63.6458, 49.8662, 18.5887



51.6906, 49.8662, 12.3696



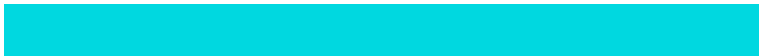
40.3232, 49.8662, 13.3345

Triad

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



51.6906, 49.8662, 12.3696



29.1580, 49.8662, 78.5762



66.6195, 49.8662, 108.1296

Complementary

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



51.6906, 49.8662, 12.3696



25.3888, 22.7808, 83.1792

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.



55.2518, 49.8662, 140.7683



51.6906, 49.8662, 12.3696



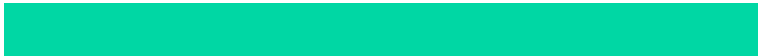
34.1787, 49.8662, 119.4078

Square

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



51.6906, 49.8662, 12.3696



28.5256, 49.8662, 43.2056



43.3467, 49.8662, 145.5821



73.1611, 49.8662, 67.1378

Rectangle

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



51.6906, 49.8662, 12.3696



34.5037, 49.8662, 18.1189



43.3467, 49.8662, 145.5821



63.1566, 49.8662, 121.0529

Sweetspot

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



51.6917, 49.8687, 12.3706



81.8282, 85.4834, 67.7234



41.0193, 23.7499, 23.5303



17.1878, 17.9215, 13.5293



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.



51.6917, 49.8687, 12.3706



57.3056, 52.8889, 8.8334



59.1954, 75.3518, 16.8938



15.8760, 16.6750, 15.9006



25.4032, 22.5007, 3.0042



2.0849, 1.9470, 0.2659

Inverse Universe

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



25.3888, 22.7808, 83.1792



24.7339, 19.5232, 97.0725



21.6221, 12.4497, 81.3836



14.6687, 15.4239, 19.1262



10.1944, 7.0358, 44.5637



0.8884, 0.7282, 3.5286

Previews

White Background



This preview shows how the XYZ color 51.6906, 49.8662, 12.3696 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 51.6906, 49.8662, 12.3696 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 51.6906, 49.8662, 12.3696

Background



This preview shows how black text looks on a background with the XYZ color 51.6906, 49.8662, 12.3696.



This preview shows how white text looks on a background with the XYZ color 51.6906, 49.8662,

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

51.6906, 49.8662, 12.3696

Protanopia

45.4150, 49.9767, 13.2141

Deuteranopia

50.8955, 49.7506, 12.3892



Tritanopia

59.3283, 49.8993, 48.6241

Trichromacy



Original Color

51.6906, 49.8662, 12.3696

Protanomaly

47.4594, 49.7832, 12.9021

Deuteranomaly

51.2247, 49.9203, 12.4046

Tritanomaly

55.5801, 49.4617, 30.6624

Monochromacy



Original Color

51.6906, 49.8662, 12.3696

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.9602, 47.6673, 31.9777

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6906, 49.8662, 12.3696 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(237, 177, 68)` looks like.

```
.text, #text, p{  
    color:rgb(237, 177, 68)  
}
```

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(237, 177, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 177, 68) }
```

Border

The CSS property to change the border of an element to XYZ 51.6906, 49.8662, 12.3696 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(237, 177, 68) }
```


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

```
.border{ border-color:rgb(237, 177, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 177, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 177, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 177, 68);  
box-shadow:4px 4px 4px 4px rgb(237, 177,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6906, 49.8662, 12.3696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 177, 68) }
```

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

```
.background{ background-color: rgb(237,  
177, 68) }
```

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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