

Converting Colors

XYZ(50.3905, 49.3260, 11.4915)

Have a look what the booklet for
XYZ(50.3905, 49.3260, 11.4915)
contains.

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Color

**XYZ(50.1959, 49.1157,
11.3921)**

Conversions

Conversions Part 1

Format	Color
Hex	E9B13E
RGB	233, 177, 62
RGB Percent	91%, 69%, 24%
CMY	0.0863, 0.3059, 0.7568
CMYK	0.00, 0.24, 0.73, 0.09
HSL	40°, 80%, 58%
HSV	40°, 73%, 91%
XYZ	50.1959, 49.1157, 11.3921
YIQ	180.6340, 70.2910, -23.8930

Conversions

Conversions Part 2

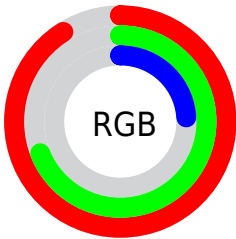
Format	Color
RYB	145, 233, 62
Decimal	15315262
CIELab	75.52, 9.66, 63.56
CIELCh	76, 64.286, 81.360
Yxy	49.1157, 0.4534, 0.4437
Android (android.graphics.Color)	4293505342 (0xFFE9B13E)
YUV	180.6340, -58.4866, 45.9250
Hunter-Lab	70.0826, 5.2042, 39.4201

Details

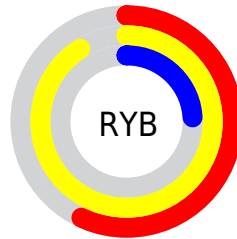
The XYZ color **50.1959, 49.1157, 11.3921** is a light color, and the websafe version is hex **CC9933**. The color can be described as light washed orange. A complement of this color would be **23.1728, 19.8635, 79.7029**, and the grayscale version is **44.0037, 46.2953, 50.4155**.

A 20% lighter version of the original color is **73.2490, 80.2342, 28.1491**, and **24.5672, 23.5515, 3.2511** is the 20% darker color. If you saturate the color by 10%, you get **48.2235, 45.9843, 8.2280**, and if you desaturate by 10%, it is **52.5287, 52.5300, 16.0285**.

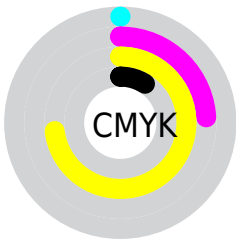
Distribution



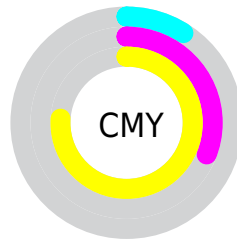
- Red (91%)
- Green (69%)
- Blue (24%)



- Red (57%)
- Yellow (91%)
- Blue (24%)



- Cyan (0%)
- Magenta (24%)
- Yellow (73%)
- Black (9%)



- Cyan (9%)
- Magenta (31%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.1959, 49.1157, 11.3921 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 50.1959, 49.1157, 11.3921 by changing the saturation by 10% instead.

50.1959, 49.1157,
11.3921

50.1959, 49.1157,
11.3921

377.8709,
383.1976, 211.1713

35.7875, 34.7113,
6.2137

89.6551, 88.8633,
29.0306

24.4395, 23.4405,
2.9046

115.4367,
114.9752, 42.3279

15.7864, 14.9191,
1.0461

145.7401,
145.7584, 59.1685

9.4631, 8.7627,
0.0000

180.9305,
181.5973, 79.9711

5.1039, 4.5867,
0.0000

221.3735,
222.8763, 105.1541

2.3438, 2.0069,
0.0000

267.4343,

0.8169, 0.6115,

269.9797, 135.1361

0.0000

319.4783,
323.2921, 170.3356

■ 0.0000, 0.0000,
0.0000

■ 50.1959, 49.1157,
11.3921

■ 50.1959, 49.1157,
11.3921

■ 48.2235, 45.9843,
8.2280

■ 52.5287, 52.5300,
16.0285

■ 46.5690, 43.1108,
6.3339

■ 55.2511, 56.2351,
22.2988

■ 45.6108, 41.3371,
5.5749

■ 58.3923, 60.2468,
30.3464

■ 61.9777, 64.5773,
40.2981

■ 66.0304, 69.2377,
52.2690

70.5714, 74.2385,
66.3651

75.6208, 79.5896,
82.6847

81.1971, 85.3002,
101.3203

84.5104, 90.2563,
107.5748

Harmonies

Analogous

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



62.4327, 49.1157, 16.9485



50.1959, 49.1157, 11.3921



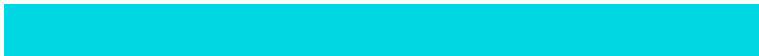
38.8541, 49.1157, 12.7820

Triad

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



50.1959, 49.1157, 11.3921



28.4911, 49.1157, 80.9924



66.8743, 49.1157, 105.5534

Complementary

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



50.1959, 49.1157, 11.3921



23.1728, 19.8635, 79.7029

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.



55.4987, 49.1157, 140.3651



50.1959, 49.1157, 11.3921



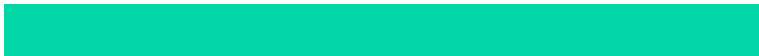
33.8333, 49.1157, 122.4996

Square

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



50.1959, 49.1157, 11.3921



27.5598, 49.1157, 44.2489



43.3379, 49.1157, 147.6184



73.0764, 49.1157, 63.9101

Rectangle

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



50.1959, 49.1157, 11.3921



33.1680, 49.1157, 17.8928



43.3379, 49.1157, 147.6184



63.4458, 49.1157, 119.0658

Sweetspot

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



50.1970, 49.1181, 11.3931



81.7143, 85.7331, 66.2133



38.6568, 22.1011, 19.6820



17.1832, 18.0050, 13.2419



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.



50.1970, 49.1181, 11.3931



58.1118, 54.6163, 8.7480



55.0474, 71.5334, 15.4640



15.9122, 16.7473, 15.9126



25.9985, 23.6911, 3.2026



2.1286, 2.0345, 0.2805

Inverse Universe

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



23.1728, 19.8635, 79.7029



23.5615, 17.4220, 96.7287



20.6963, 11.5278, 78.2245



14.6340, 15.3545, 19.1147



9.9243, 6.4956, 44.4737



0.8642, 0.6798, 3.5205

Previews

White Background



This preview shows how the XYZ color 50.1959, 49.1157, 11.3921 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 50.1959, 49.1157, 11.3921 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 50.1959, 49.1157, 11.3921

Background



This preview shows how black text looks on a background with the XYZ color 50.1959, 49.1157, 11.3921.



This preview shows how white text looks on a background with the XYZ color 50.1959, 49.1157,

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

50.1959, 49.1157, 11.3921

Protanopia

44.7369, 49.3322, 12.1652

Deuteranopia

50.1959, 49.1157, 11.3921



Tritanopia

57.9477, 49.1876, 48.5595

Trichromacy



Original Color

50.1959, 49.1157, 11.3921

Protanomaly

46.4742, 48.9889, 11.8568

Deuteranomaly

50.1959, 49.1157, 11.3921

Tritanomaly

54.0786, 48.7042, 29.8431

Monochromacy



Original Color

50.1959, 49.1157, 11.3921

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

44.7281, 46.7569, 30.7123

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1959, 49.1157, 11.3921 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(233, 177, 62)` looks like.

```
.text, #text, p{  
    color:rgb(233, 177, 62)  
}
```

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(233, 177, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 177, 62) }
```

Border

The CSS property to change the border of an element to XYZ 50.1959, 49.1157, 11.3921 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(233, 177, 62) }
```


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

```
.border{ border-color:rgb(233, 177, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 177, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 177, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 177, 62);  
box-shadow:4px 4px 4px 4px rgb(233, 177,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1959, 49.1157, 11.3921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 177, 62) }
```

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

```
.background{ background-color: rgb(233,  
177, 62) }
```

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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