

Converting Colors

XYZ(51.4949, 49.2643, 13.3581)

Have a look what the booklet for
XYZ(51.4949, 49.2643, 13.3581)
contains.

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Color

**XYZ(51.4911, 49.1589,
13.2533)**

Conversions

Conversions Part 1

Format	Color
Hex	EDAF4A
RGB	237, 175, 74
RGB Percent	93%, 69%, 29%
CMY	0.0706, 0.3137, 0.7098
CMYK	0.00, 0.26, 0.69, 0.07
HSL	37°, 82%, 61%
HSV	37°, 69%, 93%
XYZ	51.4911, 49.1589, 13.2533
YIQ	182.0240, 69.3730, -18.2670

Conversions

Conversions Part 2

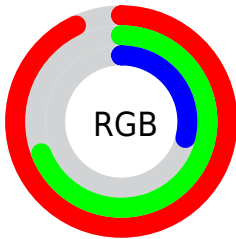
Format	Color
RYB	174, 237, 74
Decimal	15576906
CIELab	75.55, 12.99, 58.73
CIELCh	76, 60.146, 77.529
Yxy	49.1589, 0.4521, 0.4316
Android (android.graphics.Color)	4293766986 (0xFFEDAF4A)
YUV	182.0240, -53.2558, 48.2140
Hunter-Lab	70.1134, 8.3915, 37.8720

Details

The XYZ color **51.4911, 49.1589, 13.2533** 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 **26.9139, 25.1776, 83.5616**, and the grayscale version is **44.7322, 47.0618, 51.2503**.

A 20% lighter version of the original color is **73.3676, 79.3859, 31.5348**, and **25.3079, 23.5504, 3.7020** is the 20% darker color. If you saturate the color by 10%, you get **49.1420, 45.5071, 9.2457**, and if you desaturate by 10%, it is **54.2602, 53.1701, 18.8849**.

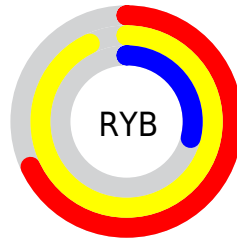
Distribution



Red (93%)

Green (69%)

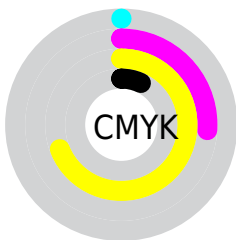
Blue (29%)



Red (68%)

Yellow (93%)

Blue (29%)

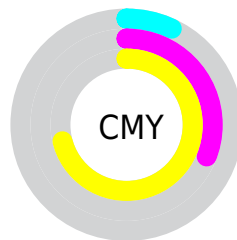


Cyan (0%)

Magenta (26%)

Yellow (69%)

Black (7%)



Cyan (7%)

Magenta (31%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.4911, 49.1589, 13.2533 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 51.4911, 49.1589, 13.2533 by changing the saturation by 10% instead.

51.4911, 49.1589,
13.2533

51.4911, 49.1589,
13.2533

382.8251,
383.3675, 223.7993

36.8222, 34.7455,
7.4704

91.5590, 88.9274,
32.4559

25.2429, 23.4669,
3.6751

117.6887,
115.0514, 46.7128

16.3878, 14.9387,
1.4489

148.3694,
145.8476, 64.6314

9.8916, 8.7764,
0.1794

183.9664,
181.7006, 86.6302

5.3889, 4.5956,
0.0000

224.8451,
222.9947, 113.1279

2.5143, 2.0120,
0.0000

271.3709,

0.9025, 0.6144,

270.1143, 144.5429

0.0000

323.9091,
323.4438, 181.2939

■ 0.0000, 0.0000,
0.0000

■ 51.4911, 49.1589,
13.2533

■ 51.4911, 49.1589,
13.2533

■ 49.1420, 45.5071,
9.2457

■ 54.2602, 53.1701,
18.8849

■ 47.1715, 42.1885,
6.6700

■ 57.4784, 57.5499,
26.2978


■ 45.5252, 39.1796,
5.2463


■ 61.1755, 62.3156,
35.6335


■ 45.3369, 38.8285,
5.1051


■ 65.3775, 67.4809,
47.0185

■ 70.1082, 73.0588,
60.5684

 75.3899, 79.0611,
76.3901

 81.2433, 85.4994,
94.5833

 86.2716, 91.8179,
107.7834

 88.7349, 96.7444,
108.6045

Harmonies

Analogous

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



62.6854, 49.1589, 19.8895



51.4911, 49.1589, 13.2533



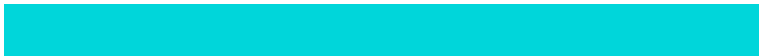
40.5800, 49.1589, 13.8121

Triad

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



51.4911, 49.1589, 13.2533



29.1689, 49.1589, 74.1510



64.3214, 49.1589, 106.3815

Complementary

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



51.4911, 49.1589, 13.2533



26.9139, 25.1776, 83.5616

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.



53.4590, 49.1589, 135.6395



51.4911, 49.1589, 13.2533



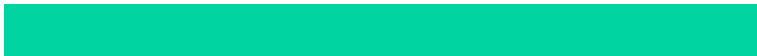
33.7319, 49.1589, 112.5329

Square

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



51.4911, 49.1589, 13.2533



28.8138, 49.1589, 41.3703



42.2607, 49.1589, 138.2542



70.8434, 49.1589, 67.8555

Rectangle

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



51.4911, 49.1589, 13.2533



34.8803, 49.1589, 18.1879



42.2607, 49.1589, 138.2542



60.9846, 49.1589, 118.1901

Sweetspot

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



51.4922, 49.1613, 13.2542



81.4390, 84.7051, 67.5937



41.8523, 24.6938, 26.0342



17.0949, 17.7357, 13.4984



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.



51.4922, 49.1613, 13.2542



56.9158, 51.9036, 9.3379



60.4286, 75.9654, 17.9570



15.8428, 16.6087, 15.8895



24.8830, 21.4602, 2.8308



2.0462, 1.8698, 0.2531

Inverse Universe

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



26.9139, 25.1776, 83.5616



26.2496, 22.1183, 97.4935



22.2511, 13.3405, 81.5226



14.7007, 15.4879, 19.1369



10.4651, 7.5772, 44.6539



0.9120, 0.7755, 3.5365

Previews

White Background



This preview shows how the XYZ color 51.4911, 49.1589, 13.2533 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 51.4911, 49.1589, 13.2533 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 51.4911, 49.1589, 13.2533

Background



This preview shows how black text looks on a background with the XYZ color 51.4911, 49.1589, 13.2533.



This preview shows how white text looks on a background with the XYZ color 51.4911, 49.1589,

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

51.4911, 49.1589, 13.2533

Protanopia

45.1223, 49.4864, 14.1948

Deuteranopia

50.2034, 49.0811, 13.1309



Tritanopia

58.5195, 48.9583, 47.9606

Trichromacy



Original Color

51.4911, 49.1589, 13.2533

Protanomaly

47.4514, 49.4488, 13.8811

Deuteranomaly

50.6596, 49.0241, 13.0959

Tritanomaly

55.0119, 48.5995, 31.2921

Monochromacy



Original Color

51.4911, 49.1589, 13.2533

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

45.4351, 46.7799, 32.6213

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4911, 49.1589, 13.2533 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, 175, 74)` looks like.

```
.text, #text, p{  
    color:rgb(237, 175, 74)  
}
```

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, 175, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 175, 74) }
```

Border

The CSS property to change the border of an element to XYZ 51.4911, 49.1589, 13.2533 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, 175, 74) }
```


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

```
.border{ border-color:rgb(237, 175, 74) }
```

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

Here you see how a box with a 4 pixel rgb(237, 175, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 175, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 175, 74);  
box-shadow:4px 4px 4px 4px rgb(237, 175,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4911, 49.1589, 13.2533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 175, 74) }
```

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

```
.background{ background-color: rgb(237,  
175, 74) }
```

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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