

Converting Colors

XYZ(47.8597, 47.7035, 15.9979)

Have a look what the booklet for
XYZ(47.8597, 47.7035, 15.9979)
contains.

XYZ(47.9150, 47.8368, 15.9406)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(47.9150, 47.8368,
15.9406)**

Conversions

Conversions Part 1

Format	Color
Hex	DFB158
RGB	223, 177, 88
RGB Percent	87%, 69%, 35%
CMY	0.1255, 0.3059, 0.6549
CMYK	0.00, 0.21, 0.61, 0.13
HSL	40°, 68%, 61%
HSV	40°, 61%, 87%
XYZ	47.9150, 47.8368, 15.9406
YIQ	180.6080, 55.9850, -17.9270

Conversions

Conversions Part 2

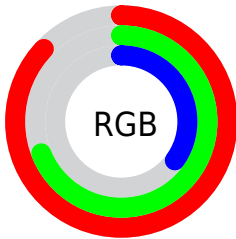
Format	Color
RYB	158, 223, 88
Decimal	14659928
CIELab	74.72, 6.89, 51.01
CIELCh	75, 51.472, 82.302
Yxy	47.8368, 0.4290, 0.4283
Android (android.graphics.Color)	4292850008 (0xFFDFB158)
YUV	180.6080, -45.6557, 37.1778
Hunter-Lab	69.1642, 2.6226, 34.7501

Details

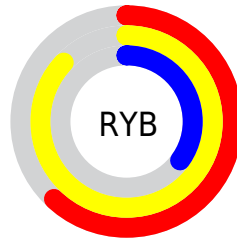
The XYZ color **47.9150, 47.8368, 15.9406** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **25.8686, 24.4517, 73.1679**, and the grayscale version is **43.9278, 46.2154, 50.3286**.

A 20% lighter version of the original color is **74.9043, 80.8963, 36.8660**, and **23.1691, 22.7939, 4.8476** is the 20% darker color. If you saturate the color by 10%, you get **45.6699, 44.6058, 11.3112**, and if you desaturate by 10%, it is **50.5284, 51.3525, 22.0873**.

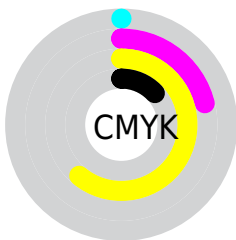
Distribution



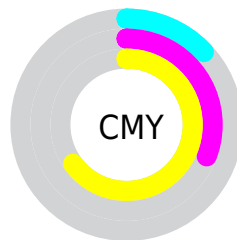
- Red (87%)
- Green (69%)
- Blue (35%)



- Red (62%)
- Yellow (87%)
- Blue (35%)



- Cyan (0%)
- Magenta (21%)
- Yellow (61%)
- Black (13%)



- Cyan (13%)
- Magenta (31%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.9150, 47.8368, 15.9406 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 47.9150, 47.8368, 15.9406 by changing the saturation by 10% instead.

47.9150, 47.8368,
15.9406

47.9150, 47.8368,
15.9406

369.0433,
378.1449, 240.8247

33.9706, 33.6977,
9.3282

86.2883, 86.9614,
37.2604

23.0338, 22.6614,
4.8562

111.4479,
112.7156, 52.8049

14.7393, 14.3437,
2.1059

141.0765,
143.1103, 72.1639

8.7217, 8.3601,
0.6192

175.5396,
178.5299, 95.7559

4.6158, 4.3262,
0.0000

215.2024,
219.3587, 123.9994

2.0561, 1.8577,
0.0000

260.4304,

0.6652, 0.5227,

265.9813, 157.3130

0.0000

311.5889,
318.7818, 196.1153

■ 0.0000, 0.0000,
0.0000

■ 47.9150, 47.8368,
15.9406

■ 47.9150, 47.8368,
15.9406

■ 45.6699, 44.6058,
11.3112

■ 50.5284, 51.3525,
22.0873

■ 43.7617, 41.6393,
8.0551

■ 53.5313, 55.1580,
29.8718

■ 42.1584, 38.9240,
6.0056

■ 56.9472, 59.2666,
39.4056

■ 40.8686, 36.5625,
4.9033

■ 60.7963, 63.6883,
50.7897

■ 65.0974, 68.4326,
64.1171

■ 69.8683, 73.5086,
79.4746

■ 75.1255, 78.9248,
96.9440

■ 78.9938, 83.9329,
106.6450

■ 81.2501, 88.4456,
107.3971

Harmonies

Analogous

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



57.3538, 47.8368, 21.0746



47.9150, 47.8368, 15.9406



38.9886, 47.8368, 17.5269

Triad

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



47.9150, 47.8368, 15.9406



30.7971, 47.8368, 74.1378



61.2046, 47.8368, 90.2804

Complementary

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



47.9150, 47.8368, 15.9406



25.8686, 24.4517, 73.1679

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.



52.6270, 47.8368, 115.6128



47.9150, 47.8368, 15.9406



35.3485, 47.8368, 104.2847

Square

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



47.9150, 47.8368, 15.9406



29.8950, 47.8368, 45.4978



43.1047, 47.8368, 121.4655



65.6816, 47.8368, 59.2817

Rectangle

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



47.9150, 47.8368, 15.9406



34.4224, 47.8368, 22.5609



43.1047, 47.8368, 121.4655



58.6535, 47.8368, 100.1229

Sweetspot

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



47.9161, 47.8391, 15.9415



83.7335, 87.8135, 72.9230



38.3121, 24.4242, 25.7097



17.5725, 18.4035, 14.5436



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.



47.9161, 47.8391, 15.9415



61.0667, 59.2022, 13.8144



52.7097, 66.1411, 19.2215



14.4580, 15.2020, 14.4790



24.1390, 21.7159, 2.9193



1.7552, 1.6693, 0.2297

Inverse Universe

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



25.8686, 24.4517, 73.1679



28.7818, 25.0560, 97.9271



23.0242, 15.5116, 71.5922



13.3319, 14.0029, 17.3878



9.4446, 6.3587, 41.7779



0.7357, 0.6029, 2.9228

Previews

White Background



This preview shows how the XYZ color 47.9150, 47.8368, 15.9406 looks on a white background.

Color Contrast Check

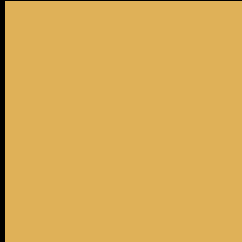
Large Text (above 18pt) WCAG AA × Fail

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 47.9150, 47.8368, 15.9406 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 47.9150, 47.8368, 15.9406

Background



This preview shows how black text looks on a background with the XYZ color 47.9150, 47.8368, 15.9406.



This preview shows how white text looks on a background with the XYZ color 47.9150, 47.8368,

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

47.9150, 47.8368, 15.9406

Protanopia

43.8878, 47.8565, 16.5970

Deuteranopia

48.7700, 47.6954, 15.8682



Tritanopia

54.6901, 47.7557, 49.5153

Trichromacy



Original Color

47.9150, 47.8368, 15.9406

Protanomaly

45.1910, 47.6179, 16.2605

Deuteranomaly

48.6508, 47.9240, 15.9186

Tritanomaly

51.5079, 47.5633, 34.0696

Monochromacy



Original Color

47.9150, 47.8368, 15.9406

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

44.3527, 46.4849, 34.2386

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9150, 47.8368, 15.9406 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(223, 177, 88)` looks like.

```
.text, #text, p{  
    color:rgb(223, 177, 88)  
}
```

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(223, 177, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 177, 88) }
```

Border

The CSS property to change the border of an element to XYZ 47.9150, 47.8368, 15.9406 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(223, 177, 88) }
```


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

```
.border{ border-color:rgb(223, 177, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 177, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 177, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 177, 88);  
box-shadow:4px 4px 4px 4px rgb(223, 177,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9150, 47.8368, 15.9406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 177, 88) }
```

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

```
.background{ background-color: rgb(223,  
177, 88) }
```

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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