

Converting Colors

XYZ(47.8589, 49.8712, 10.8550)

Have a look what the booklet for
XYZ(47.8589, 49.8712, 10.8550)
contains.

XYZ(47.7715, 49.6821, 10.8132)	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(47.7715, 49.6821,
10.8132)**

Conversions

Conversions Part 1

Format	Color
Hex	DEB738
RGB	222, 183, 56
RGB Percent	87%, 72%, 22%
CMY	0.1294, 0.2823, 0.7804
CMYK	0.00, 0.18, 0.75, 0.13
HSL	46°, 72%, 55%
HSV	46°, 75%, 87%
XYZ	47.7715, 49.6821, 10.8132
YIQ	180.1830, 64.0110, -31.2290

Conversions

Conversions Part 2

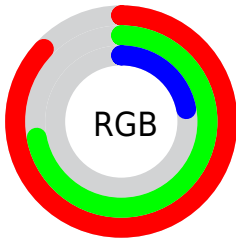
Format	Color
RYB	107, 222, 56
Decimal	14595896
CIELab	75.87, 1.53, 65.79
CIELCh	76, 65.803, 88.666
Yxy	49.6821, 0.4412, 0.4589
Android (android.graphics.Color)	4292785976 (0xFFDEB738)
YUV	180.1830, -61.2222, 36.6735
Hunter-Lab	70.4855, -2.3715, 40.2442

Details

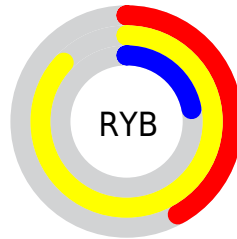
The XYZ color **47.7715, 49.6821, 10.8132** is a light color, and the websafe version is hex **CC9900**. The color can be described as light muted orange. A complement of this color would be **18.9079, 14.2988, 70.8701**, and the grayscale version is **43.7767, 46.0565, 50.1555**.

A 20% lighter version of the original color is **74.9757, 84.1407, 27.3281**, and **23.0869, 23.7518, 3.3677** is the 20% darker color. If you saturate the color by 10%, you get **46.2888, 47.4016, 8.2084**, and if you desaturate by 10%, it is **49.5369, 52.1434, 14.7001**.

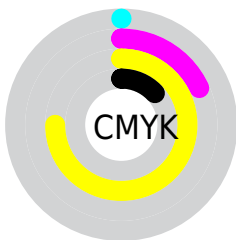
Distribution



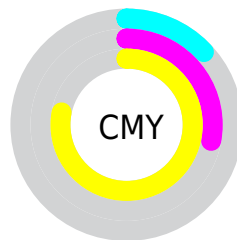
- Red (87%)
- Green (72%)
- Blue (22%)



- Red (42%)
- Yellow (87%)
- Blue (22%)



- Cyan (0%)
- Magenta (18%)
- Yellow (75%)
- Black (13%)



- Cyan (13%)
- Magenta (28%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.7715, 49.6821, 10.8132 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 47.7715, 49.6821, 10.8132 by changing the saturation by 10% instead.

■ 47.7715, 49.6821,
10.8132

■ 47.7715, 49.6821,
10.8132

368.4834,
385.4215, 207.0727

■ 33.8565, 35.1609,
5.8288

■ 86.0758, 89.7037,
27.9456

■ 22.9457, 23.7868,
2.6741

■ 111.1959,
115.9728, 40.9306

■ 14.6739, 15.1756,
0.9304

■ 140.7816,
146.9267, 57.4196

■ 8.6757, 8.9427,
0.0000

■ 175.1984,
182.9498, 77.8311

■ 4.5857, 4.7038,
0.0000

■ 214.8116,
224.4264, 102.5836

■ 2.0385, 2.0746,
0.0000

259.9866,

■ 0.6554, 0.6503,

271.7409, 132.0957

0.0000

311.0888,
325.2778, 166.7858

■ 0.0000, 0.0000,
0.0000

■ 47.7715, 49.6821,
10.8132

■ 47.7715, 49.6821,
10.8132

■ 46.2888, 47.4016,
8.2084

■ 49.5369, 52.1434,
14.7001

■ 45.0504, 45.2799,
6.7008

■ 51.6103, 54.7904,
20.0150

■ 44.4706, 44.2228,
6.1920

■ 54.0176, 57.6360,
26.8872

■ 56.7807, 60.6897,
35.4307

■ 59.9197, 63.9602,
45.7488

■ 63.4529, 67.4554,
57.9364

■ 67.3975, 71.1827,
72.0815

■ 71.7695, 75.1493,
88.2667

■ 76.4542, 79.3099,
105.8865

Harmonies

Analogous

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



60.5509, 49.6821, 14.5274



47.7715, 49.6821, 10.8132



36.8055, 49.6821, 13.8839

Triad

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



47.7715, 49.6821, 10.8132



29.4319, 49.6821, 93.3076



70.3166, 49.6821, 97.2724

Complementary

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



47.7715, 49.6821, 10.8132



18.9079, 14.2988, 70.8701

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.



59.4374, 49.6821, 137.4291



47.7715, 49.6821, 10.8132



36.0074, 49.6821, 134.5275

Square

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



47.7715, 49.6821, 10.8132



27.3809, 49.6821, 52.5410



46.6754, 49.6821, 153.3584



74.8806, 49.6821, 55.6801

Rectangle

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



47.7715, 49.6821, 10.8132



31.6596, 49.6821, 20.6692



46.6754, 49.6821, 153.3584



67.1937, 49.6821, 111.9531

Sweetspot

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



47.7726, 49.6845, 10.8142



83.2363, 88.7771, 66.7206



33.7196, 19.2308, 13.3674



17.5452, 18.7289, 13.3625



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.



47.7726, 49.6845, 10.8142



62.3283, 63.1471, 9.8518



45.7742, 62.2912, 13.3529



14.5846, 15.4552, 14.5212



26.5040, 26.4458, 3.7076



1.9040, 1.9668, 0.2793

Inverse Universe

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



18.9079, 14.2988, 70.8701



21.2891, 13.0845, 96.0113



19.5827, 10.6718, 70.1345



13.2121, 13.7633, 17.3479



8.6360, 4.7415, 41.5084



0.6669, 0.4653, 2.8999

Previews

White Background



This preview shows how the XYZ color 47.7715, 49.6821, 10.8132 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 47.7715, 49.6821, 10.8132 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 47.7715, 49.6821, 10.8132

Background



This preview shows how black text looks on a background with the XYZ color 47.7715, 49.6821, 10.8132.



This preview shows how white text looks on a background with the XYZ color 47.7715, 49.6821,

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

47.7715, 49.6821, 10.8132

Protanopia

45.3001, 49.9635, 11.1272

Deuteranopia

50.9451, 49.8084, 10.9319



Tritanopia

56.1696, 49.5754, 51.9560

Trichromacy



Original Color

47.7715, 49.6821, 10.8132

Protanomaly

46.0290, 49.7094, 11.0398

Deuteranomaly

49.6929, 49.7609, 10.8566

Tritanomaly

51.8402, 48.9601, 30.3849

Monochromacy



Original Color

47.7715, 49.6821, 10.8132

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

43.4027, 46.3991, 29.5900

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7715, 49.6821, 10.8132 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(222, 183, 56)` looks like.

```
.text, #text, p{  
    color:rgb(222, 183, 56)  
}
```

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(222, 183, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 183, 56) }
```

Border

The CSS property to change the border of an element to XYZ 47.7715, 49.6821, 10.8132 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(222, 183, 56) }
```


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

```
.border{ border-color:rgb(222, 183, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 183, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 183, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 183, 56);  
box-shadow:4px 4px 4px 4px rgb(222, 183,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7715, 49.6821, 10.8132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 183, 56) }
```

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

```
.background{ background-color: rgb(222,  
183, 56) }
```

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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