

Converting Colors

XYZ(48.6923, 45.8672, 27.2818)

Have a look what the booklet for
XYZ(48.6923, 45.8672, 27.2818)
contains.

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Color

**XYZ(48.8354, 46.0491,
27.4336)**

Conversions

Conversions Part 1

Format	Color
Hex	DFAA82
RGB	223, 170, 130
RGB Percent	87%, 67%, 51%
CMY	0.1255, 0.3333, 0.4902
CMYK	0.00, 0.24, 0.42, 0.13
HSL	26°, 59%, 69%
HSV	26°, 42%, 87%
XYZ	48.8354, 46.0491, 27.4336
YIQ	181.2870, 44.4280, -1.2040

Conversions

Conversions Part 2

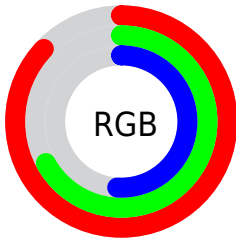
Format	Color
R _Y B	223, 200, 130
Decimal	14658178
CIE Lab	73.58, 14.36, 28.12
CIE LCh	74, 31.578, 62.952
Yxy	46.0491, 0.3992, 0.3765
Android (android.graphics.Color)	4292848258 (0xFFDFAA82)
YUV	181.2870, -25.2845, 36.5823
Hunter-Lab	67.8595, 9.7043, 23.5324

Details

The XYZ color **48.8354, 46.0491, 27.4336** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **39.4581, 43.9389, 76.2133**, and the grayscale version is **44.1931, 46.4945, 50.6326**.

A 20% lighter version of the original color is **76.7125, 78.5293, 55.9142**, and **23.6523, 21.6430, 10.5203** is the 20% darker color. If you saturate the color by 10%, you get **45.2298, 40.9793, 19.6302**, and if you desaturate by 10%, it is **52.9980, 51.7136, 37.0239**.

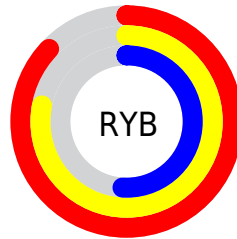
Distribution



Red (87%)

Green (67%)

Blue (51%)



Red (87%)

Yellow (78%)

Blue (51%)

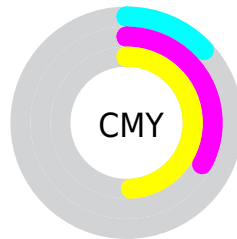


Cyan (0%)

Magenta (24%)

Yellow (42%)

Black (13%)



Cyan (13%)


Magenta (33%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8354, 46.0491, 27.4336 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 48.8354, 46.0491, 27.4336 by changing the saturation by 10% instead.


 48.8354, 46.0491,
27.4336


 48.8354, 46.0491,
27.4336


372.6217,
371.0060, 303.5768


 34.7029, 32.2846,
17.6638


 87.6491, 84.2925,
56.5910

 23.5996, 21.5789,
10.5420


 113.0611,
109.5401, 76.8158

 15.1600, 13.5478,
5.6495


 142.9636,
139.3842, 101.3626

 9.0188, 7.8069,
2.5678

177.7220,
174.2092, 130.6501

 4.8106, 3.9716,
0.8758

217.7017,
214.3995, 165.0967

 2.1702, 1.6577,
0.0000

263.2679,

 0.7270, 0.3960,

260.3395, 205.1209

0.0000

314.7861,
312.4135, 251.1415

0.0000, 0.0000,
0.0000

48.8354, 46.0491,
27.4336

48.8354, 46.0491,
27.4336

45.2298, 40.9793,
19.6302

52.9980, 51.7136,
37.0239

42.1501, 36.4762,
13.4973

57.7396, 57.9864,
48.5019

39.5669, 32.5189,
8.9089

63.0853, 64.8889,
61.9641

37.4460, 29.0822,
5.7195

69.0572, 72.4391,
77.4995

35.7472, 26.1382,
3.7551

75.6765, 80.6545,
95.1918

■ 34.6075, 24.0401,
2.8162

■ 81.5134, 88.9719,
107.4848

■ 84.2414, 94.4280,
108.3942

Harmonies

Analogous

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



53.4120, 46.0491, 35.2023



48.8354, 46.0491, 27.4336



43.2175, 46.0491, 25.2702

Triad

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



48.8354, 46.0491, 27.4336



33.8959, 46.0491, 51.7404



49.8732, 46.0491, 80.6278

Complementary

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



48.8354, 46.0491, 27.4336



39.4581, 43.9389, 76.2133

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.



44.3237, 46.0491, 87.5521



48.8354, 46.0491, 27.4336



35.3614, 46.0491, 68.7979

Square

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



48.8354, 46.0491, 27.4336



34.8838, 46.0491, 37.4144



39.0644, 46.0491, 82.8215



54.0461, 46.0491, 65.4655

Rectangle

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



48.8354, 46.0491, 27.4336



39.7127, 46.0491, 26.8169



39.0644, 46.0491, 82.8215



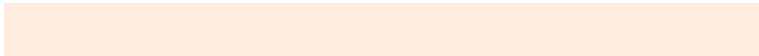
48.0910, 46.0491, 84.1263

Sweetspot

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



48.8366, 46.0513, 27.4345



84.4318, 86.5800, 81.2635



47.0923, 35.1249, 49.7830



17.7172, 18.0762, 16.4928



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.



48.8366, 46.0513, 27.4345



61.9022, 56.4029, 27.8742



58.8249, 66.0280, 30.7640



14.1897, 14.6653, 14.3896



20.4561, 14.3501, 1.6917



1.5055, 1.1699, 0.1465

Inverse Universe

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



39.4581, 43.9389, 76.2133



47.5672, 53.1508, 102.3598



31.5783, 28.1794, 73.5867



13.5971, 14.5333, 17.4763



12.4140, 12.2976, 42.7677



0.9489, 1.0292, 2.9939

Previews

White Background



This preview shows how the XYZ color 48.8354, 46.0491, 27.4336 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 48.8354, 46.0491, 27.4336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

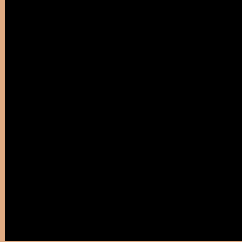
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.8354, 46.0491, 27.4336

Background



This preview shows how black text looks on a background with the XYZ color 48.8354, 46.0491, 27.4336.



This preview shows how white text looks on a background with the XYZ color 48.8354, 46.0491,

27.4336.

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

48.8354, 46.0491, 27.4336

Protanopia

43.1452, 46.2664, 29.5780

Deuteranopia

46.9303, 45.9192, 27.1587



Tritanopia

52.7905, 46.0164, 47.1740

Trichromacy



Original Color

48.8354, 46.0491, 27.4336

Protanomaly

45.1326, 46.1169, 28.7130

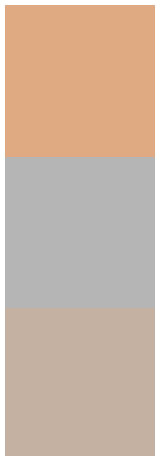
Deuteranomaly

47.6284, 45.9955, 27.1366

Tritanomaly

51.2583, 45.9444, 38.9674

Monochromacy



Original Color

48.8354, 46.0491, 27.4336

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

45.0087, 45.7887, 40.6483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8354, 46.0491, 27.4336 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, 170, 130)` looks like.

```
.text, #text, p{  
    color:rgb(223, 170, 130)  
}
```

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, 170, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 170, 130) }
```

Border

The CSS property to change the border of an element to XYZ 48.8354, 46.0491, 27.4336 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, 170, 130) }
```


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

```
.border{ border-color:rgb(223, 170, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 170, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 170, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 170, 130);  
box-shadow:4px 4px 4px 4px rgb(223, 170,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8354, 46.0491, 27.4336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 170, 130) }
```

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

```
.background{ background-color: rgb(223,  
170, 130) }
```

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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