

Converting Colors

XYZ(48.4547, 45.5337, 29.5276)

Have a look what the booklet for
XYZ(48.4547, 45.5337, 29.5276)
contains.

XYZ(48.4507, 45.5257, 29.5263)	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(48.4507, 45.5257,
29.5263)**

Conversions

Conversions Part 1

Format	Color
Hex	DDA988
RGB	221, 169, 136
RGB Percent	87%, 66%, 53%
CMY	0.1333, 0.3372, 0.4667
CMYK	0.00, 0.24, 0.38, 0.13
HSL	23°, 56%, 70%
HSV	23°, 38%, 87%
XYZ	48.4507, 45.5257, 29.5263
YIQ	180.7860, 41.5850, 0.7610

Conversions

Conversions Part 2

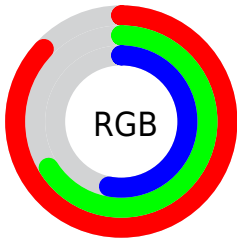
Format	Color
R _Y B	221, 190, 136
Decimal	14526856
CIE Lab	73.24, 14.77, 24.40
CIE LCh	73, 28.527, 58.809
Yxy	45.5257, 0.3923, 0.3686
Android (android.graphics.Color)	4292716936 (0xFFDDA988)
YUV	180.7860, -22.0795, 35.2677
Hunter-Lab	67.4727, 10.0997, 21.2854

Details

The XYZ color **48.4507, 45.5257, 29.5263** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **41.1870, 46.4194, 75.1956**, and the grayscale version is **43.9061, 46.1927, 50.3038**.

A 20% lighter version of the original color is **77.1899, 78.2890, 59.7581**, and **23.3508, 21.2870, 11.6822** is the 20% darker color. If you saturate the color by 10%, you get **44.6530, 40.1900, 21.2942**, and if you desaturate by 10%, it is **52.8346, 51.5154, 39.5524**.

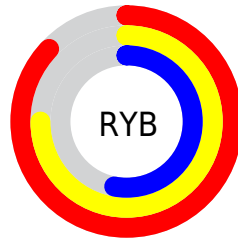
Distribution



Red (87%)

Green (66%)

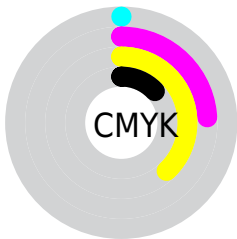
Blue (53%)



Red (87%)

Yellow (75%)

Blue (53%)

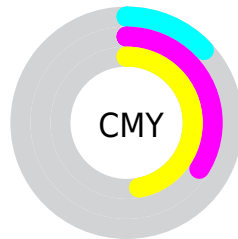


Cyan (0%)

Magenta (24%)

Yellow (38%)

Black (13%)



Cyan (13%)


Magenta (34%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.4507, 45.5257, 29.5263 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 48.4507, 45.5257, 29.5263 by changing the saturation by 10% instead.


 48.4507, 45.5257,
29.5263


 48.4507, 45.5257,
29.5263


371.1287,
368.8985, 313.8284


 34.3967, 31.8717,
19.2303


 87.0807, 83.5087,
59.9644

 23.3628, 21.2635,
11.6583


 112.3874,
108.6065, 80.9435

 14.9838, 13.3168,
6.3918


 142.1757,
138.2877, 106.3208

 8.8943, 7.6470,
3.0121

176.8110,
172.9367, 136.5148

 4.7288, 3.8699,
1.1008

216.6586,
212.9379, 171.9440

 2.1222, 1.6011,
0.0000

262.0838,

 0.7012, 0.3583,

258.6757, 213.0270

0.0000

313.4521,
310.5344, 260.1823

■ 0.0000, 0.0000,
0.0000

■ 48.4507, 45.5257,
29.5263

■ 48.4507, 45.5257,
29.5263

■ 44.6530, 40.1900,
21.2942

■ 52.8346, 51.5154,
39.5524

■ 41.4102, 35.4780,
14.7452

■ 57.8272, 58.1750,
51.4688

■ 38.6928, 31.3665,
9.7601

■ 63.4538, 65.5279,
65.3683

■ 36.4669, 27.8280,
6.2027

■ 69.7371, 73.5943,
81.3364

■ 34.6935, 24.8321,
3.9129

■ 76.6987, 82.3935,
99.4540

■ 33.3184, 22.3416,
2.6540

■ 82.0911, 91.0368,
107.8529

■ 33.1316, 21.9978,
2.4998

■ 83.6288, 94.1121,
108.3655

Harmonies

Analogous

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



52.2667, 45.5257, 37.4345



48.4507, 45.5257, 29.5263



43.4712, 45.5257, 26.7976

Triad

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



48.4507, 45.5257, 29.5263



34.3415, 45.5257, 48.9991



48.0781, 45.5257, 77.8670

Complementary

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



48.4507, 45.5257, 29.5263



41.1870, 46.4194, 75.1956

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.



43.0711, 45.5257, 82.5619



48.4507, 45.5257, 29.5263



35.3713, 45.5257, 64.0793

Square

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



48.4507, 45.5257, 29.5263



35.5465, 45.5257, 36.6177



38.4739, 45.5257, 77.0954



52.0402, 45.5257, 65.2641

Rectangle

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



48.4507, 45.5257, 29.5263



40.2403, 45.5257, 27.7827



38.4739, 45.5257, 77.0954



46.4497, 45.5257, 80.5184

Sweetspot

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



48.4519, 45.5279, 29.5272



84.8255, 86.8168, 83.0923



47.7453, 36.6298, 52.3669



17.9351, 18.2939, 17.2379



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.



48.4519, 45.5279, 29.5272



62.7902, 57.0552, 31.6344



57.5778, 63.7797, 32.5692



13.4686, 13.8765, 13.6941



19.3490, 12.9836, 1.4863



1.3357, 1.0054, 0.1237

Inverse Universe

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



41.1870, 46.4194, 75.1956



51.3935, 58.4214, 103.1755



33.4710, 30.9873, 72.6236



12.9983, 13.9364, 16.6570



12.7428, 13.3551, 41.6446



0.9083, 1.0306, 2.7255

Previews

White Background



This preview shows how the XYZ color 48.4507, 45.5257, 29.5263 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 48.4507, 45.5257, 29.5263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

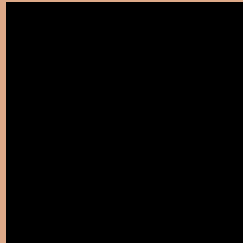
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.4507, 45.5257, 29.5263

Background



This preview shows how black text looks on a background with the XYZ color 48.4507, 45.5257, 29.5263.



This preview shows how white text looks on a background with the XYZ color 48.4507, 45.5257,

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

48.4507, 45.5257, 29.5263

Protanopia

42.8672, 45.7721, 31.7749

Deuteranopia

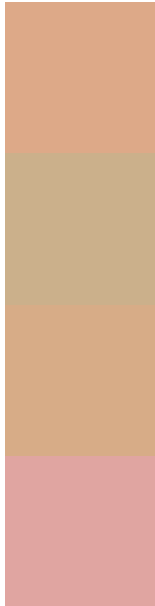
46.4681, 45.6335, 29.2807



Tritanopia

51.9850, 45.3365, 47.0852

Trichromacy



Original Color

48.4507, 45.5257, 29.5263

Protanomaly

44.8141, 45.6113, 30.8680

Deuteranomaly

47.1500, 45.7014, 29.2578

Tritanomaly

50.6286, 45.3308, 39.7995

Monochromacy



Original Color

48.4507, 45.5257, 29.5263

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

45.2786, 45.8967, 42.0698

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4507, 45.5257, 29.5263 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(221, 169, 136)` looks like.

```
.text, #text, p{  
    color:rgb(221, 169, 136)  
}
```

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(221, 169, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 169, 136) }
```

Border

The CSS property to change the border of an element to XYZ 48.4507, 45.5257, 29.5263 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(221, 169, 136) }
```


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

```
.border{ border-color:rgb(221, 169, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 169, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 169, 136); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 169, 136); box-shadow:4px 4px 4px 4px rgb(221, 169, 136) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4507, 45.5257, 29.5263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 169, 136) }
```

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

```
.background{ background-color: rgb(221,  
169, 136) }
```

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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