

Converting Colors

XYZ(50.1234, 49.1188, 30.4639)

Have a look what the booklet for
XYZ(50.1234, 49.1188, 30.4639)
contains.

XYZ(50.1507, 49.2620, 30.5322)	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(50.1507, 49.2620,
30.5322)**

Conversions

Conversions Part 1

Format	Color
Hex	DCB389
RGB	220, 179, 137
RGB Percent	86%, 70%, 54%
CMY	0.1373, 0.2980, 0.4627
CMYK	0.00, 0.19, 0.38, 0.14
HSL	30°, 54%, 70%
HSV	30°, 38%, 86%
XYZ	50.1507, 49.2620, 30.5322
YIQ	186.4710, 37.9180, -4.3700

Conversions

Conversions Part 2

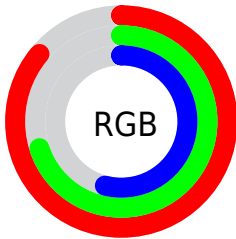
Format	Color
R_{YB}	218, 220, 137
Decimal	14463881
CIE Lab	75.61, 9.14, 27.05
CIE LCh	76, 28.552, 71.321
Yxy	49.2620, 0.3859, 0.3791
Android (android.graphics.Color)	4292653961 (0xFFDCB389)
YUV	186.4710, -24.3892, 29.4049
Hunter-Lab	70.1869, 4.7167, 23.3389

Details

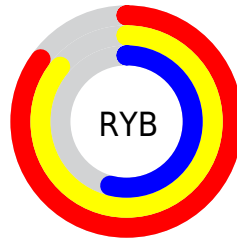
The XYZ color **50.1507, 49.2620, 30.5322** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **39.1547, 42.3251, 73.8161**, and the grayscale version is **47.0552, 49.5058, 53.9118**.

A 20% lighter version of the original color is **80.3523, 84.4382, 61.3534**, and **24.2854, 23.3964, 12.2528** is the 20% darker color. If you saturate the color by 10%, you get **46.6382, 44.5103, 22.3534**, and if you desaturate by 10%, it is **54.1591, 54.4903, 40.4648**.

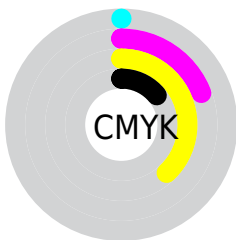
Distribution



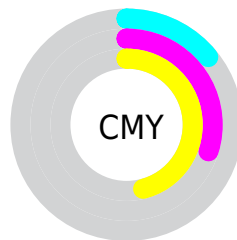
- Red (86%)
- Green (70%)
- Blue (54%)



- Red (85%)
- Yellow (86%)
- Blue (54%)



- Cyan (0%)
- Magenta (19%)
- Yellow (38%)
- Black (14%)





- Cyan (14%)
- Magenta (30%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.1507, 49.2620, 30.5322 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 50.1507, 49.2620, 30.5322 by changing the saturation by 10% instead.


 50.1507, 49.2620,
30.5322


 50.1507, 49.2620,
30.5322


377.6972,
383.7728, 318.6615


 35.7514, 34.8274,
19.9874


 89.5886, 89.0805,
61.5737

 24.4115, 23.5299,
12.2019


 115.3580,
115.2331, 82.9076

 15.7655, 14.9853,
6.7571


 145.6481,
146.0604, 108.6748

 9.4482, 8.8091,
3.2345

180.8243,
181.9470, 139.2941

 5.0941, 4.6168,
1.2156

221.2519,
223.2771, 175.1838

 2.3379, 2.0243,
0.0000

267.2964,

 0.8140, 0.6215,

270.4352, 216.7626

0.0000

319.3231,
323.8057, 264.4490

■ 0.0000, 0.0000,
0.0000

■ 50.1507, 49.2620,
30.5322

■ 50.1507, 49.2620,
30.5322

■ 46.6382, 44.5103,
22.3534

■ 54.1591, 54.4903,
40.4648

■ 43.5943, 40.2125,
15.8204

■ 58.6815, 60.2032,
52.2445

■ 40.9944, 36.3541,
10.8179

■ 63.7396, 66.4169,
65.9613

■ 38.8093, 32.9167,
7.2140

■ 69.3525, 73.1448,
81.6985

■ 37.0056, 29.8798,
4.8540

■ 75.5383, 80.3998,
99.5345

■ 35.5384, 27.2181,
3.5242

■ 79.9770, 87.2592,
107.2352

■ 35.2366, 26.6584,
3.2884

■ 83.3252, 93.9557,
108.3513

Harmonies

Analogous

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



54.8714, 49.2620, 36.6335



50.1507, 49.2620, 30.5322



44.8565, 49.2620, 29.8734

Triad

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



50.1507, 49.2620, 30.5322



37.5527, 49.2620, 59.5529



53.8533, 49.2620, 78.5828

Complementary

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



50.1507, 49.2620, 30.5322



39.1547, 42.3251, 73.8161

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.



48.8442, 49.2620, 87.5129



50.1507, 49.2620, 30.5322



39.6011, 49.2620, 75.2268

Square

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



50.1507, 49.2620, 30.5322



37.8447, 49.2620, 44.8512



43.6441, 49.2620, 86.1807



57.1175, 49.2620, 63.5033

Rectangle

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



50.1507, 49.2620, 30.5322



41.7384, 49.2620, 32.4293



43.6441, 49.2620, 86.1807



52.3026, 49.2620, 82.5206

Sweetspot

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



50.1519, 49.2643, 30.5332



86.5966, 89.8001, 85.4059



46.5474, 36.3420, 46.9450



18.3263, 18.9649, 17.7120



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.



50.1519, 49.2643, 30.5332



66.2600, 63.6967, 33.7101



59.6240, 68.2083, 33.6905



13.5980, 14.1353, 13.7373



20.7918, 15.8691, 1.9672



1.4332, 1.2005, 0.1562

Inverse Universe

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



39.1547, 42.3251, 73.8161



48.8571, 52.7166, 102.2080



32.1810, 28.3776, 71.4916



12.8672, 13.6741, 16.6133



10.8812, 9.6317, 41.0240



0.7911, 0.7963, 2.6864

Previews

White Background



This preview shows how the XYZ color 50.1507, 49.2620, 30.5322 looks on a white background.

Color Contrast Check

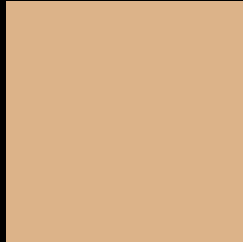
Large Text (above 18pt) WCAG AA × Fail

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 50.1507, 49.2620, 30.5322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

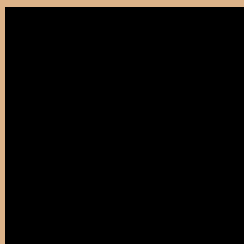
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.1507, 49.2620, 30.5322

Background



This preview shows how black text looks on a background with the XYZ color 50.1507, 49.2620, 30.5322.



This preview shows how white text looks on a background with the XYZ color 50.1507, 49.2620,

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

50.1507, 49.2620, 30.5322

Protanopia

46.1119, 49.2906, 31.8946

Deuteranopia

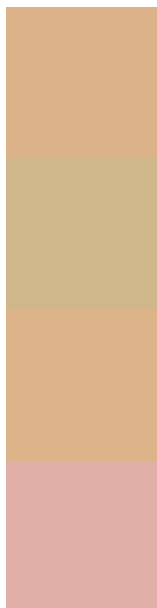
50.4543, 49.4185, 30.5464



Tritanopia

54.6668, 49.0578, 53.0422

Trichromacy



Original Color

50.1507, 49.2620, 30.5322

Protanomaly

47.3258, 48.9965, 31.3890

Deuteranomaly

50.4543, 49.4185, 30.5464

Tritanomaly

52.8293, 49.1751, 43.7531

Monochromacy



Original Color

50.1507, 49.2620, 30.5322

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

47.2901, 48.6999, 43.9534

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1507, 49.2620, 30.5322 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(220, 179, 137)` looks like.

```
.text, #text, p{  
    color:rgb(220, 179, 137)  
}
```

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(220, 179, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 179, 137) }
```

Border

The CSS property to change the border of an element to XYZ 50.1507, 49.2620, 30.5322 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(220, 179, 137) }
```


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

```
.border{ border-color:rgb(220, 179, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 179, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 179, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 179, 137);  
box-shadow:4px 4px 4px 4px rgb(220, 179,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1507, 49.2620, 30.5322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 179, 137) }
```

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

```
.background{ background-color: rgb(220,  
179, 137) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor