

Converting Colors

XYZ(50.1067, 48.5079, 22.0513)

Have a look what the booklet for
XYZ(50.1067, 48.5079, 22.0513)
contains.

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Color

**XYZ(50.1285, 48.5514,
22.0585)**

Conversions

Conversions Part 1

Format	Color
Hex	E3B070
RGB	227, 176, 112
RGB Percent	89%, 69%, 44%
CMY	0.1098, 0.3098, 0.5608
CMYK	0.00, 0.22, 0.51, 0.11
HSL	33°, 67%, 66%
HSV	33°, 51%, 89%
XYZ	50.1285, 48.5514, 22.0585
YIQ	183.9530, 50.9400, -9.0920

Conversions

Conversions Part 2

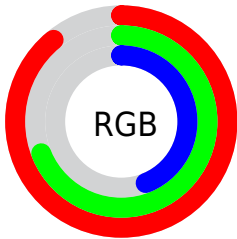
Format	Color
RYB	204, 227, 112
Decimal	14921840
CIELab	75.17, 10.99, 39.73
CIElCh	75, 41.222, 74.534
Yxy	48.5514, 0.4152, 0.4021
Android (android.graphics.Color)	4293111920 (0xFFE3B070)
YUV	183.9530, -35.4728, 37.7522
Hunter-Lab	69.6788, 6.4789, 30.0055

Details

The XYZ color **50.1285, 48.5514, 22.0585** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **33.6438, 35.1837, 77.6907**, and the grayscale version is **45.7051, 48.0853, 52.3649**.

A 20% lighter version of the original color is **76.8881, 81.6898, 47.3126**, and **24.4393, 23.1981, 7.7470** is the 20% darker color. If you saturate the color by 10%, you get **47.1196, 44.3078, 15.5866**, and if you desaturate by 10%, it is **53.6047, 53.2198, 30.2589**.

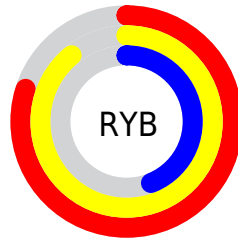
Distribution



Red (89%)

Green (69%)

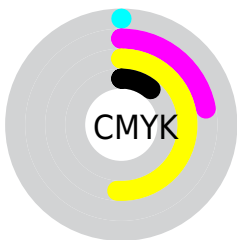
Blue (44%)



Red (80%)

Yellow (89%)

Blue (44%)

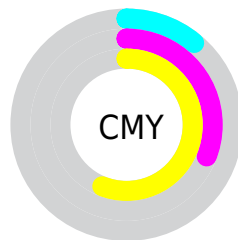


Cyan (0%)

Magenta (22%)

Yellow (51%)

Black (11%)



Cyan (11%)

Magenta (31%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.1285, 48.5514, 22.0585 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 50.1285, 48.5514, 22.0585 by changing the saturation by 10% instead.

50.1285, 48.5514,
22.0585

50.1285, 48.5514,
22.0585

377.6119,
380.9736, 275.8151

35.7337, 34.2638,
13.7012

89.5559, 88.0248,
47.7461

24.3978, 23.0963,
7.7767

115.3193,
113.9794, 65.9134

15.7553, 14.6646,
3.8667

145.6029,
144.5917, 88.1879

9.4409, 8.5844,
1.5525

180.7721,
180.2462, 114.9879

5.0893, 4.4711,
0.2566

221.1922,
221.3272, 146.7321

2.3350, 1.9404,
0.0000

267.2287,

0.8125, 0.5725,

268.2192, 183.8390

0.0000

319.2468,
321.3065, 226.7272

■ 0.0000, 0.0000,
0.0000

■ 50.1285, 48.5514,
22.0585

■ 50.1285, 48.5514,
22.0585

■ 47.1196, 44.3078,
15.5866

■ 53.6047, 53.2198,
30.2589

■ 44.5470, 40.4661,
10.7106

■ 57.5696, 58.3209,
40.3012

■ 42.3806, 37.0107,
7.2833

■ 62.0474, 63.8710,
52.2925

■ 40.5836, 33.9216,
5.1279

■ 67.0593, 69.8831,
66.3305

■ 39.1829, 31.3399,
3.9840

■ 72.6253, 76.3698,
82.5066

■ 78.7641, 83.3429,
100.9065

■ 82.8265, 89.7469,
107.5652

■ 85.4884, 95.0708,
108.4525

Harmonies

Analogous

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



57.2915, 48.5514, 28.7322



50.1285, 48.5514, 22.0585



42.5976, 48.5514, 21.9608

Triad

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



50.1285, 48.5514, 22.0585



33.4687, 48.5514, 64.0028



57.0987, 48.5514, 88.3975

Complementary

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



50.1285, 48.5514, 22.0585



33.6438, 35.1837, 77.6907

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.



49.8876, 48.5514, 104.2063



50.1285, 48.5514, 22.0585



36.5498, 48.5514, 87.7248

Square

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



50.1285, 48.5514, 22.0585



33.5181, 48.5514, 42.5311



42.3814, 48.5514, 103.9310



61.6050, 48.5514, 64.7485

Rectangle

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



50.1285, 48.5514, 22.0585



38.3943, 48.5514, 25.4719



42.3814, 48.5514, 103.9310



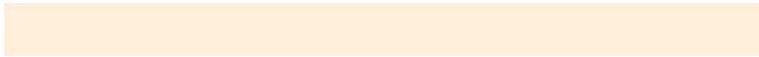
54.8780, 48.5514, 95.0591

Sweetspot

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



50.1297, 48.5537, 22.0595



84.3177, 87.4284, 77.9066



44.1512, 30.5909, 38.5817



17.7528, 18.3592, 15.8517



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.



50.1297, 48.5537, 22.0595



61.0777, 57.2975, 19.7579



60.2886, 71.5192, 25.9568



15.0389, 15.6917, 15.1406



22.9699, 18.5139, 2.3629



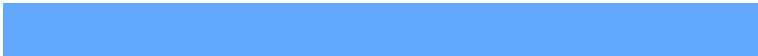
1.7897, 1.5527, 0.2054

Inverse Universe

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



33.6438, 35.1837, 77.6907



37.3263, 38.0608, 99.9869



27.0970, 20.9690, 75.2920



14.1062, 14.9338, 18.2834



10.8932, 8.8485, 43.5170



0.8963, 0.8366, 3.2462

Previews

White Background



This preview shows how the XYZ color 50.1285, 48.5514, 22.0585 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 50.1285, 48.5514, 22.0585 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

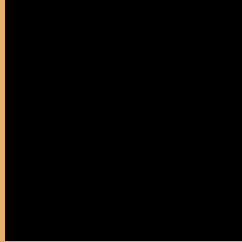
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.1285, 48.5514, 22.0585

Background



This preview shows how black text looks on a background with the XYZ color 50.1285, 48.5514, 22.0585.



This preview shows how white text looks on a background with the XYZ color 50.1285, 48.5514,

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

50.1285, 48.5514, 22.0585

Protanopia

44.8585, 48.5154, 23.5231

Deuteranopia

49.6981, 48.6217, 22.0948



Tritanopia

55.8451, 48.6242, 49.6221

Trichromacy



Original Color

50.1285, 48.5514, 22.0585

Protanomaly

46.6864, 48.5426, 23.1287

Deuteranomaly

50.0108, 48.7829, 22.1094

Tritanomaly

53.4343, 48.4813, 37.5519

Monochromacy



Original Color

50.1285, 48.5514, 22.0585

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

46.5148, 47.7957, 39.1217

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1285, 48.5514, 22.0585 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(227, 176, 112)` looks like.

```
.text, #text, p{  
    color:rgb(227, 176, 112)  
}
```

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(227, 176, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 176, 112) }
```

Border

The CSS property to change the border of an element to XYZ 50.1285, 48.5514, 22.0585 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(227, 176, 112) }
```


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

```
.border{ border-color:rgb(227, 176, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 176, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 176, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 176, 112);  
box-shadow:4px 4px 4px 4px rgb(227, 176,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1285, 48.5514, 22.0585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 176, 112) }
```

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

```
.background{ background-color: rgb(227,  
176, 112) }
```

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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