

Converting Colors

XYZ(46.1759, 49.2336, 21.8212)

Have a look what the booklet for
XYZ(46.1759, 49.2336, 21.8212)
contains.

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Color

**XYZ(46.1759, 49.2336,
21.8212)**

Conversions

Conversions Part 1

Format	Color
Hex	D0B96E
RGB	208, 185, 110
RGB Percent	82%, 73%, 43%
CMY	0.1843, 0.2745, 0.5686
CMYK	0.00, 0.11, 0.47, 0.18
HSL	46°, 51%, 62%
HSV	46°, 47%, 82%
XYZ	46.1759, 49.2336, 21.8212
YIQ	183.3270, 37.7830, -18.4490

Conversions

Conversions Part 2

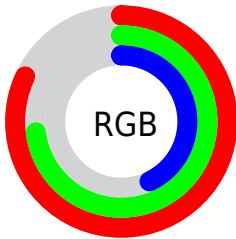
Format	Color
RYB	140, 208, 110
Decimal	13678958
CIELab	75.60, -1.75, 40.88
CIELCh	76, 40.922, 92.450
Yxy	49.2336, 0.3939, 0.4200
Android (android.graphics.Color)	4291869038 (0xFFD0B96E)
YUV	183.3270, -36.1502, 21.6382
Hunter-Lab	70.1667, -5.3228, 30.6780

Details

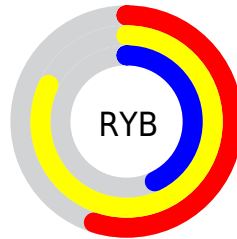
The XYZ color **46.1759, 49.2336, 21.8212** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **26.2030, 24.6434, 63.0501**, and the grayscale version is **45.3682, 47.7309, 51.9790**.

A 20% lighter version of the original color is **79.3062, 86.8149, 47.2274**, and **22.0158, 23.5042, 7.6514** is the 20% darker color. If you saturate the color by 10%, you get **44.1706, 46.8275, 16.2064**, and if you desaturate by 10%, it is **48.4845, 51.8208, 28.8496**.

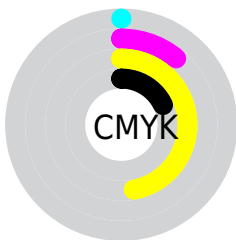
Distribution



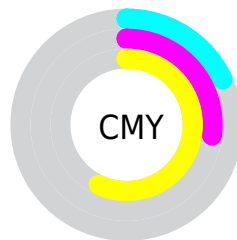
- Red (82%)
- Green (73%)
- Blue (43%)



- Red (55%)
- Yellow (82%)
- Blue (43%)



- Cyan (0%)
- Magenta (11%)
- Yellow (47%)
- Black (18%)



- Cyan (18%)
- Magenta (27%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1759, 49.2336, 21.8212 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 46.1759, 49.2336, 21.8212 by changing the saturation by 10% instead.

■ 46.1759, 49.2336,
21.8212

■ 46.1759, 49.2336,
21.8212

362.2195,
383.6612, 274.5341

■ 32.5899, 34.8048,
13.5285

■ 83.7084, 89.0383,
47.3487

■ 21.9702, 23.5126,
7.6585

■ 108.3856,
115.1830, 65.4206

■ 13.9515, 14.9724,
3.7926

■ 137.4906,
146.0018, 87.5893

■ 8.1684, 8.8000,
1.5123

■ 171.3887,
181.8791, 114.2734

■ 4.2556, 4.6110,
0.2270

210.4453,
223.1993, 145.8914

■ 1.8477, 2.0209,
0.0000

255.0257,

■ 0.5462, 0.6196,

270.3468, 182.8618

0.0000

305.4953,
323.7060, 225.6032

■ 0.0000, 0.0000,
0.0000

■ 46.1759, 49.2336,
21.8212

■ 46.1759, 49.2336,
21.8212

■ 44.1706, 46.8275,
16.2064

■ 48.4845, 51.8208,
28.8496

■ 42.4457, 44.5873,
11.9025

■ 51.1102, 54.5896,
37.3783

■ 40.9807, 42.5060,
8.7980

■ 54.0702, 57.5492,
47.4909

■ 39.7504, 40.5729,
6.7613

■ 57.3792, 60.7062,
59.2638

■ 38.7208, 38.7740,
5.6157

■ 61.0511, 64.0666,
72.7682

■ 38.4439, 38.2729,
5.3612

■ 65.0990, 67.6362,
88.0716

■ 69.4382, 71.3815,
104.7260

■ 70.7316, 73.9682,
105.1571

■ 72.0626, 76.6302,
105.6007

Harmonies

Analogous

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



53.8530, 49.2336, 24.4983



46.1759, 49.2336, 21.8212



39.4139, 49.2336, 25.5703

Triad

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



46.1759, 49.2336, 21.8212



35.5589, 49.2336, 79.2194



60.9176, 49.2336, 75.2840

Complementary

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



46.1759, 49.2336, 21.8212



26.2030, 24.6434, 63.0501

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.



55.0446, 49.2336, 97.0226



46.1759, 49.2336, 21.8212



40.3824, 49.2336, 99.6919

Square

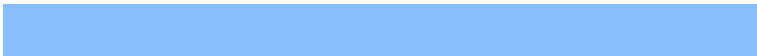
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



46.1759, 49.2336, 21.8212



33.7111, 49.2336, 55.4079



47.4197, 49.2336, 106.9497



62.8899, 49.2336, 51.8456

Rectangle

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



46.1759, 49.2336, 21.8212



36.1810, 49.2336, 32.0093



47.4197, 49.2336, 106.9497



59.3051, 49.2336, 83.2265

Sweetspot

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



46.1771, 49.2359, 21.8222



87.2114, 92.6816, 80.5179



35.9268, 26.2975, 25.9206



18.4300, 19.6085, 16.4015



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.



46.1771, 49.2359, 21.8222



69.8640, 74.0354, 25.2602



45.0182, 56.3663, 23.2596



12.5585, 13.3077, 12.5188



24.0376, 24.0081, 3.3671



1.4024, 1.4592, 0.2077

Inverse Universe

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



26.2030, 24.6434, 63.0501



34.3732, 30.3851, 98.6610



26.8730, 20.8161, 62.2760



11.3856, 11.8615, 14.9331



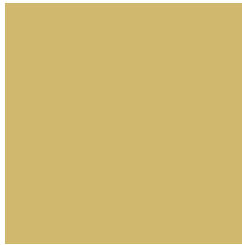
7.8376, 4.3218, 37.6136



0.5007, 0.3665, 2.1239

Previews

White Background



This preview shows how the XYZ color 46.1759, 49.2336, 21.8212 looks on a white background.

Color Contrast Check

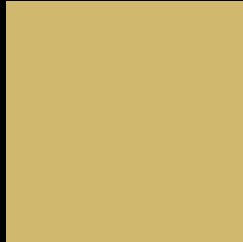
Large Text (above 18pt) WCAG AA × Fail

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 46.1759, 49.2336, 21.8212 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 46.1759, 49.2336, 21.8212

Background



This preview shows how black text looks on a background with the XYZ color 46.1759, 49.2336, 21.8212.



This preview shows how white text looks on a background with the XYZ color 46.1759, 49.2336,

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

46.1759, 49.2336, 21.8212

Protanopia

45.3300, 49.1029, 22.1276

Deuteranopia

50.2091, 49.1794, 22.1755



Tritanopia

53.0295, 49.3237, 54.8696

Trichromacy



Original Color

46.1759, 49.2336, 21.8212

Protanomaly

45.6050, 49.2446, 22.1405

Deuteranomaly

48.6065, 49.2555, 21.9844

Tritanomaly

49.9058, 48.9244, 40.0707

Monochromacy



Original Color

46.1759, 49.2336, 21.8212

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

44.8795, 47.8877, 38.3303

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1759, 49.2336, 21.8212 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(208, 185, 110)` looks like.

```
.text, #text, p{  
    color:rgb(208, 185, 110)  
}
```

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(208, 185, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 185, 110) }
```

Border

The CSS property to change the border of an element to XYZ 46.1759, 49.2336, 21.8212 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(208, 185, 110) }
```


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

```
.border{ border-color:rgb(208, 185, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 185, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 185, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 185, 110);  
box-shadow:4px 4px 4px 4px rgb(208, 185,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1759, 49.2336, 21.8212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 185, 110) }
```

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

```
.background{ background-color: rgb(208,  
185, 110) }
```

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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