

Converting Colors

XYZ(46.6442, 49.4409, 21.6210)

Have a look what the booklet for
XYZ(46.6442, 49.4409, 21.6210)
contains.

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Color

**XYZ(46.6876, 49.5037,
21.5625)**

Conversions

Conversions Part 1

Format	Color
Hex	D2B96D
RGB	210, 185, 109
RGB Percent	82%, 73%, 43%
CMY	0.1765, 0.2745, 0.5725
CMYK	0.00, 0.12, 0.48, 0.18
HSL	45°, 53%, 63%
HSV	45°, 48%, 82%
XYZ	46.6876, 49.5037, 21.5625
YIQ	183.8110, 39.2960, -18.3360

Conversions

Conversions Part 2

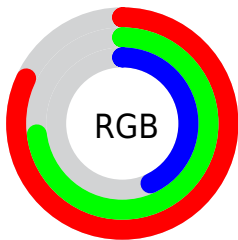
Format	Color
RYB	142, 210, 109
Decimal	13810029
CIELab	75.76, -1.02, 41.64
CIELCh	76, 41.650, 91.408
Yxy	49.5037, 0.3965, 0.4204
Android (android.graphics.Color)	4292000109 (0xFFD2B96D)
YUV	183.8110, -36.8818, 22.9678
Hunter-Lab	70.3589, -4.6819, 31.0809

Details

The XYZ color **46.6876, 49.5037, 21.5625** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **26.4644, 24.9537, 64.3942**, and the grayscale version is **45.6386, 48.0154, 52.2888**.

A 20% lighter version of the original color is **79.2169, 86.7792, 46.7573**, and **22.1776, 23.5906, 7.5222** is the 20% darker color. If you saturate the color by 10%, you get **44.6224, 46.9715, 15.9476**, and if you desaturate by 10%, it is **49.0650, 52.2280, 28.6149**.

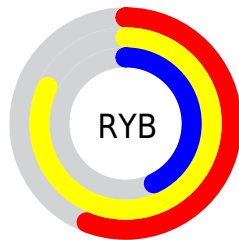
Distribution



Red (82%)

Green (73%)

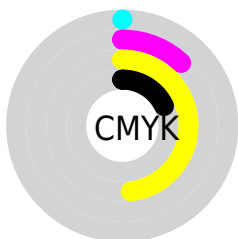
Blue (43%)



Red (56%)

Yellow (82%)

Blue (43%)

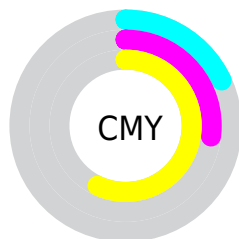


Cyan (0%)

Magenta (12%)

Yellow (48%)

Black (18%)



Cyan (18%)

Magenta (27%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6876, 49.5037, 21.5625 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 46.6876, 49.5037, 21.5625 by changing the saturation by 10% instead.

■ 46.6876, 49.5037,
21.5625

■ 46.6876, 49.5037,
21.5625

364.2359,
384.7219, 273.1315

■ 32.9957, 35.0192,
13.3406

■ 84.4687, 89.4391,
46.9147

■ 22.2823, 23.6777,
7.5300

■ 109.2886,
115.6588, 64.8821

■ 14.1823, 15.0947,
3.7123

■ 138.5485,
146.5590, 86.9349

■ 8.3301, 8.8859,
1.4689

■ 172.6138,
182.5242, 113.4919

■ 4.3605, 4.6668,
0.1946

211.8498,
223.9387, 144.9715

■ 1.9080, 2.0531,
0.0000

256.6220,

■ 0.5815, 0.6381,

271.1868, 181.7923

0.0000

307.2956,
324.6531, 224.3728

■ 0.0000, 0.0000,
0.0000

■ 46.6876, 49.5037,
21.5625

■ 46.6876, 49.5037,
21.5625

■ 44.6224, 46.9715,
15.9476

■ 49.0650, 52.2280,
28.6149

■ 42.8459, 44.6159,
11.6641

■ 51.7690, 55.1455,
37.1947

■ 41.3367, 42.4294,
8.5960

■ 54.8175, 58.2655,
47.3880

■ 40.0682, 40.4008,
6.6062

■ 58.2257, 61.5950,
59.2735

■ 39.0019, 38.5139,
5.4932

■ 62.0079, 65.1403,
72.9249

■ 38.8103, 38.1657,
5.3212

■ 66.1777, 68.9075,
88.4114

■ 70.5862, 72.8374,
104.9465

■ 71.9828, 75.6307,
105.4120

■ 73.4223, 78.5097,
105.8919

Harmonies

Analogous

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



54.5296, 49.5037, 24.4980



46.6876, 49.5037, 21.5625



39.7233, 49.5037, 25.1213

Triad

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



46.6876, 49.5037, 21.5625



35.4719, 49.5037, 79.2669



61.3466, 49.5037, 76.9476

Complementary

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



46.6876, 49.5037, 21.5625



26.4644, 24.9537, 64.3942

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.



55.2304, 49.5037, 99.0066



46.6876, 49.5037, 21.5625



40.2909, 49.5037, 100.5833

Square

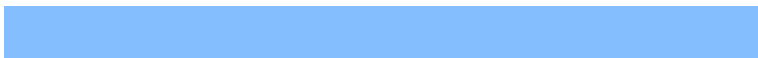
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



46.6876, 49.5037, 21.5625



33.7019, 49.5037, 54.9536



47.4179, 49.5037, 108.6384



63.5300, 49.5037, 52.8622

Rectangle

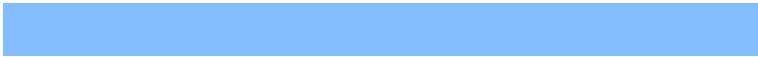
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.6876, 49.5037, 21.5625



36.3642, 49.5037, 31.4696



47.4179, 49.5037, 108.6384



59.6516, 49.5037, 85.0531

Sweetspot

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



46.6888, 49.5060, 21.5635



87.0718, 92.4024, 80.4714



36.3678, 26.3676, 25.8191



18.3957, 19.5400, 16.3900



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.



46.6888, 49.5060, 21.5635



69.0741, 72.6736, 24.3243



45.7543, 57.4804, 23.1520



12.5453, 13.2813, 12.5144



23.7567, 23.4464, 3.2735



1.3888, 1.4319, 0.2032

Inverse Universe

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



26.4644, 24.9537, 64.3942



34.0535, 30.2081, 98.6437



26.9734, 20.6799, 63.5425



11.3980, 11.8862, 14.9372



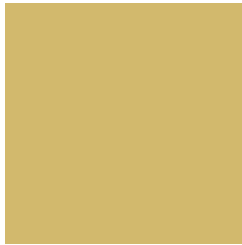
7.9115, 4.4695, 37.6382



0.5063, 0.3779, 2.1258

Previews

White Background



This preview shows how the XYZ color 46.6876, 49.5037, 21.5625 looks on a white background.

Color Contrast Check

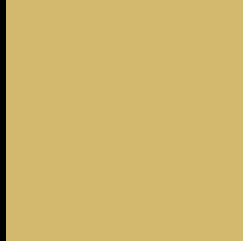
Large Text (above 18pt) WCAG AA × Fail

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 46.6876, 49.5037, 21.5625 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 46.6876, 49.5037, 21.5625

Background



This preview shows how black text looks on a background with the XYZ color 46.6876, 49.5037, 21.5625.



This preview shows how white text looks on a background with the XYZ color 46.6876, 49.5037,

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

46.6876, 49.5037, 21.5625

Protanopia

45.7616, 49.6456, 21.9225

Deuteranopia

50.4682, 49.3194, 21.8986



Tritanopia

53.6241, 49.6302, 54.8974

Trichromacy



Original Color

46.6876, 49.5037, 21.5625

Protanomaly

46.1055, 49.5090, 21.8780

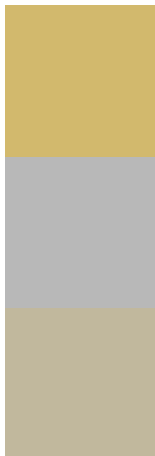
Deuteranomaly

49.1571, 49.5457, 21.7243

Tritanomaly

50.4896, 49.2253, 40.0981

Monochromacy



Original Color

46.6876, 49.5037, 21.5625

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

45.2186, 48.0528, 38.7901

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6876, 49.5037, 21.5625 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(210, 185, 109)` looks like.

```
.text, #text, p{  
    color:rgb(210, 185, 109)  
}
```

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(210, 185, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 185, 109) }
```

Border

The CSS property to change the border of an element to XYZ 46.6876, 49.5037, 21.5625 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(210, 185, 109) }
```


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

```
.border{ border-color:rgb(210, 185, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 185, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 185, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 185, 109);  
box-shadow:4px 4px 4px 4px rgb(210, 185,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6876, 49.5037, 21.5625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 185, 109) }
```

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

```
.background{ background-color: rgb(210,  
185, 109) }
```

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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