

Converting Colors

XYZ(46.3040, 48.2829, 41.1301)

Have a look what the booklet for
XYZ(46.3040, 48.2829, 41.1301)
contains.

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Color

**XYZ(46.2200, 48.2114,
41.0521)**

Conversions

Conversions Part 1

Format	Color
Hex	C4B7A2
RGB	196, 183, 162
RGB Percent	77%, 72%, 64%
CMY	0.2314, 0.2823, 0.3647
CMYK	0.00, 0.07, 0.17, 0.23
HSL	37°, 22%, 70%
HSV	37°, 17%, 77%
XYZ	46.2200, 48.2114, 41.0521
YIQ	184.4930, 14.4890, -3.7750

Conversions

Conversions Part 2

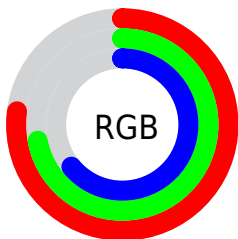
Format	Color
RYB	183, 196, 162
Decimal	12892066
CIELab	74.96, 1.13, 12.34
CIElCh	75, 12.391, 84.779
Yxy	48.2114, 0.3411, 0.3558
Android (android.graphics.Color)	4291082146 (0xFFC4B7A2)
YUV	184.4930, -11.0890, 10.0916
Hunter-Lab	69.4344, -2.6892, 13.5497

Details

The XYZ color **46.2200, 48.2114, 41.0521** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **40.1938, 42.3258, 58.2760**, and the grayscale version is **45.8876, 48.2774, 52.5741**.

A 20% lighter version of the original color is **83.8989, 87.6254, 78.1371**, and **21.9524, 22.8418, 18.0037** is the 20% darker color. If you saturate the color by 10%, you get **43.1078, 44.5610, 32.0786**, and if you desaturate by 10%, it is **49.6886, 52.1392, 51.4854**.

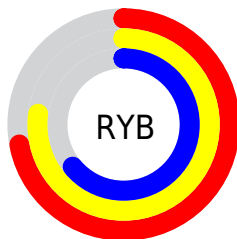
Distribution



Red (77%)

Green (72%)

Blue (64%)



Red (72%)

Yellow (77%)

Blue (64%)

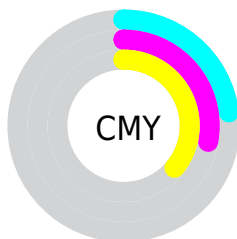


Cyan (0%)

Magenta (7%)

Yellow (17%)

Black (23%)



Cyan (23%)


Magenta (28%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.2200, 48.2114, 41.0521 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 46.2200, 48.2114, 41.0521 by changing the saturation by 10% instead.


 46.2200, 48.2114,
41.0521


 46.2200, 48.2114,
41.0521


362.3935,
379.6295, 366.2214

 32.6248, 33.9943,
28.0398

 83.7740, 87.5191,
78.0175

 21.9970, 22.8892,
18.1164


 108.4635,
113.3785, 102.8077

 13.9713, 14.5117,
10.8632


137.5819,
143.8874, 132.3609

 8.1823, 8.4774,
5.8619

171.4944,
179.4303, 167.0957

 4.2646, 4.4019,
2.6939

210.5665,
220.3916, 207.4306

 1.8529, 1.9008,
0.9403

255.1635,

 0.5492, 0.5489,

267.1556, 253.7842

0.0000

305.6507,
320.1068, 306.5749

■ 0.0000, 0.0000,
0.0000

■ 46.2200, 48.2114,
41.0521

■ 46.2200, 48.2114,
41.0521

■ 43.1078, 44.5610,
32.0786

■ 49.6886, 52.1392,
51.4854

■ 40.3344, 41.1742,
24.4953

■ 53.5228, 56.3452,
63.4375

■ 37.8862, 38.0449,
18.2316

■ 57.7361, 60.8384,
76.9681

■ 35.7472, 35.1647,
13.2092

■ 62.3401, 65.6253,
92.1325

■ 33.8996, 32.5242,
9.3418

■ 66.5301, 70.3859,
104.6871

■ 32.3236, 30.1134,
6.5314

■ 68.5461, 74.4180,
105.3591

■ 30.9961, 27.9206,
4.6640

■ 70.6515, 78.6287,
106.0609

■ 29.8854, 25.9309,
3.5794

■ 72.8473, 83.0203,
106.7928

■ 29.6126, 25.4308,
3.3479

■ 75.1345, 87.5948,
107.5552

Harmonies

Analogous

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



48.3752, 48.2114, 42.9710



46.2200, 48.2114, 41.0521



44.0266, 48.2114, 41.9877

Triad

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



46.2200, 48.2114, 41.0521



41.9909, 48.2114, 57.8837



49.4653, 48.2114, 60.0023

Complementary

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



46.2200, 48.2114, 41.0521



40.1938, 42.3258, 58.2760

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.



47.6687, 48.2114, 64.6212



46.2200, 48.2114, 41.0521



43.3631, 48.2114, 63.3293

Square

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



46.2200, 48.2114, 41.0521



41.6315, 48.2114, 51.3698



45.4293, 48.2114, 65.8859



50.2878, 48.2114, 53.6345

Rectangle

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



46.2200, 48.2114, 41.0521



42.8308, 48.2114, 44.1477



45.4293, 48.2114, 65.8859



48.9524, 48.2114, 61.8311

Sweetspot

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



46.2213, 48.2135, 41.0531



91.5296, 96.1358, 97.9333



43.4269, 40.6735, 46.1371



19.4882, 20.4630, 20.6442



0.0000, 0.0000, 0.0000



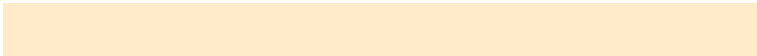
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.2213, 48.2135, 41.0531



81.4101, 84.6471, 67.5840



48.0085, 53.2996, 41.9406



10.5796, 11.0906, 10.6450



19.1126, 16.5109, 2.1796



0.8907, 0.8432, 0.1158

Inverse Universe

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



40.1938, 42.3258, 58.2760



68.3581, 71.8992, 104.8828



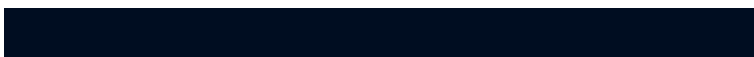
38.6036, 37.9302, 57.5114



9.8368, 10.3650, 12.7670



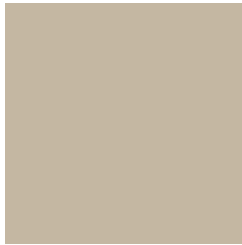
8.0926, 5.9418, 34.2770



0.4164, 0.3902, 1.5032

Previews

White Background



This preview shows how the XYZ color 46.2200, 48.2114, 41.0521 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 46.2200, 48.2114, 41.0521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

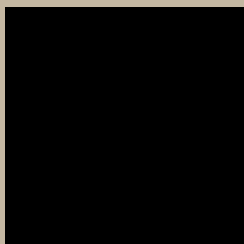
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

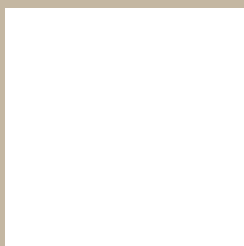
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.2200, 48.2114, 41.0521

Background



This preview shows how black text looks on a background with the XYZ color 46.2200, 48.2114, 41.0521.

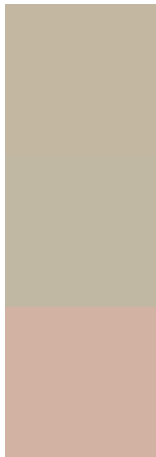


This preview shows how white text looks on a background with the XYZ color 46.2200, 48.2114,

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

46.2200, 48.2114, 41.0521

Protanopia

45.7437, 48.2628, 41.5550

Deuteranopia

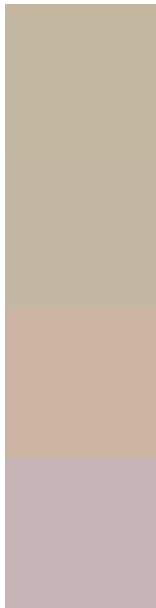
49.1096, 48.1868, 41.3630



Tritanopia

49.5652, 48.3698, 57.1760

Trichromacy



Original Color

46.2200, 48.2114, 41.0521

Protanomaly

45.9995, 48.3947, 41.5670

Deuteranomaly

48.1090, 48.2660, 41.4310

Tritanomaly

48.3179, 48.1620, 51.0055

Monochromacy



Original Color

46.2200, 48.2114, 41.0521

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

45.7160, 48.1069, 47.9504

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2200, 48.2114, 41.0521 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(196, 183, 162) looks like.

```
.text, #text, p{  
    color:rgb(196, 183, 162)  
}
```

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(196, 183, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 183, 162) }
```

Border

The CSS property to change the border of an element to XYZ 46.2200, 48.2114, 41.0521 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(196, 183, 162) }
```


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

```
.border{ border-color:rgb(196, 183, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 183, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 183, 162); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 183, 162); box-shadow:4px 4px 4px 4px rgb(196, 183, 162) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2200, 48.2114, 41.0521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 183, 162) }
```

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

```
.background{ background-color: rgb(196,  
183, 162) }
```

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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