

Converting Colors

XYZ(46.1178, 49.1415, 41.7993)

Have a look what the booklet for
XYZ(46.1178, 49.1415, 41.7993)
contains.

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Color

**XYZ(46.1621, 49.0996,
41.6945)**

Conversions

Conversions Part 1

Format	Color
Hex	C1BAA3
RGB	193, 186, 163
RGB Percent	76%, 73%, 64%
CMY	0.2431, 0.2706, 0.3608
CMYK	0.00, 0.04, 0.16, 0.24
HSL	46°, 19%, 70%
HSV	46°, 16%, 76%
XYZ	46.1621, 49.0996, 41.6945
YIQ	185.4710, 11.5550, -5.6690

Conversions

Conversions Part 2

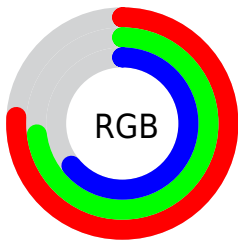
Format	Color
RYB	172, 193, 163
Decimal	12696227
CIELab	75.51, -1.43, 12.55
CIELCh	76, 12.628, 96.501
Yxy	49.0996, 0.3371, 0.3585
Android (android.graphics.Color)	4290886307 (0xFFC1BAA3)
YUV	185.4710, -11.0782, 6.6029
Hunter-Lab	70.0711, -5.0305, 13.7704

Details

The XYZ color **46.1621, 49.0996, 41.6945** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **39.1045, 40.3855, 56.1867**, and the grayscale version is **46.4329, 48.8510, 53.1988**.

A 20% lighter version of the original color is **83.8314, 88.8902, 79.0688**, and **21.9042, 23.4117, 18.4034** is the 20% darker color. If you saturate the color by 10%, you get **43.6303, 46.5951, 32.9603**, and if you desaturate by 10%, it is **48.9904, 51.7738, 51.8308**.

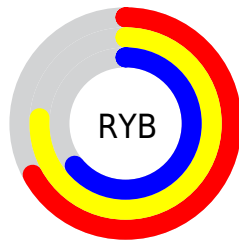
Distribution



Red (76%)

Green (73%)

Blue (64%)



Red (67%)

Yellow (76%)

Blue (64%)

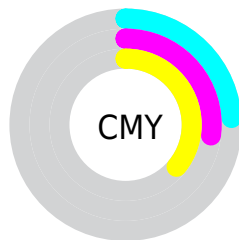


Cyan (0%)

Magenta (4%)

Yellow (16%)

Black (24%)



Cyan (24%)

Magenta (27%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1621, 49.0996, 41.6945 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 46.1621, 49.0996, 41.6945 by changing the saturation by 10% instead.

■ 46.1621, 49.0996,
41.6945

■ 46.1621, 49.0996,
41.6945

362.1650,
383.1343, 368.9772

■ 32.5789, 34.6985,
28.5384

■ 83.6879, 88.8394,
79.0021

■ 21.9618, 23.4307,
18.4893

■ 108.3613,
114.9468, 103.9907

■ 13.9452, 14.9119,
11.1288

137.4621,
145.7252, 133.7606

■ 8.1640, 8.7576,
6.0383

171.3556,
181.5588, 168.7302

■ 4.2528, 4.5834,
2.7992

210.4074,
222.8322, 209.3181

■ 1.8461, 2.0050,
0.9930

254.9826,

■ 0.5452, 0.6104,

269.9296, 255.9429

0.0000

305.4467,
323.2355, 309.0231

■ 0.0000, 0.0000,
0.0000

■ 46.1621, 49.0996,
41.6945

■ 46.1621, 49.0996,
41.6945

■ 43.6303, 46.5951,
32.9603

■ 48.9904, 51.7738,
51.8308

■ 41.3788, 44.2484,
25.5620

■ 52.1226, 54.6161,
63.4249

■ 39.3958, 42.0561,
19.4332

■ 55.5709, 57.6335,
76.5335

■ 37.6671, 40.0120,
14.5000

■ 59.3455, 60.8305,
91.2090

■ 36.1769, 38.1093,
10.6811

■ 62.7227, 63.9180,
103.6393

■ 34.9077, 36.3405,
7.8852

■ 63.8393, 66.1511,
104.0115

■ 33.8390, 34.6970,
6.0061

■ 64.9873, 68.4471,
104.3942

■ 32.9456, 33.1683,
4.9127

■ 66.1669, 70.8064,
104.7874

■ 32.5811, 32.5148,
4.5588

■ 67.3785, 73.2296,
105.1912

Harmonies

Analogous

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



48.4778, 49.0996, 42.5321



46.1621, 49.0996, 41.6945



44.0520, 49.0996, 43.7921

Triad

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



46.1621, 49.0996, 41.6945



43.1567, 49.0996, 61.4659



50.9000, 49.0996, 58.7446

Complementary

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



46.1621, 49.0996, 41.6945



39.1045, 40.3855, 56.1867

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.



49.3849, 49.0996, 64.4578



46.1621, 49.0996, 41.6945



44.9032, 49.0996, 66.1182

Square

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



46.1621, 49.0996, 41.6945



42.3545, 49.0996, 54.9276



47.1770, 49.0996, 67.2562



51.2642, 49.0996, 52.0210

Rectangle

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



46.1621, 49.0996, 41.6945



43.0290, 49.0996, 46.6847



47.1770, 49.0996, 67.2562



50.5060, 49.0996, 60.8635

Sweetspot

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



46.1634, 49.1018, 41.6955



87.9903, 92.9567, 93.7362



42.3458, 40.4348, 43.6037



18.7957, 19.8673, 19.8137



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



46.1634, 49.1018, 41.6955



80.9148, 86.2215, 68.5153



45.6889, 51.0991, 42.1061



10.7079, 11.3472, 10.6877



21.7335, 21.7527, 3.0532



0.9887, 1.0391, 0.1485

Inverse Universe

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



39.1045, 40.3855, 56.1867



65.6285, 67.3473, 99.9006



39.5181, 38.7033, 55.8402



9.7147, 10.1208, 12.7263



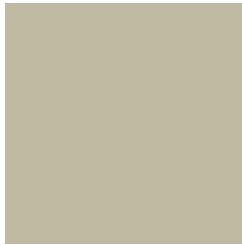
7.0783, 3.9131, 33.9389



0.3605, 0.2785, 1.4846

Previews

White Background



This preview shows how the XYZ color 46.1621, 49.0996, 41.6945 looks on a white background.

Color Contrast Check

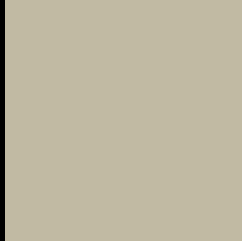
Large Text (above 18pt) WCAG AA × Fail

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 46.1621, 49.0996, 41.6945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

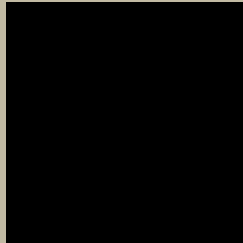
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

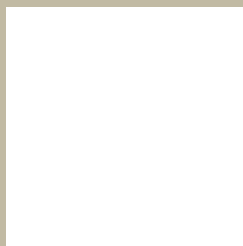
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.1621, 49.0996, 41.6945

Background



This preview shows how black text looks on a background with the XYZ color 46.1621, 49.0996, 41.6945.



This preview shows how white text looks on a background with the XYZ color 46.1621, 49.0996,

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

46.1621, 49.0996, 41.6945

Protanopia

46.4655, 48.9444, 41.6485

Deuteranopia

49.9723, 48.9176, 41.9302



Tritanopia

49.5136, 48.9036, 59.0542

Trichromacy



Original Color

46.1621, 49.0996, 41.6945

Protanomaly

46.2080, 48.8116, 41.6365

Deuteranomaly

48.6056, 49.1154, 42.0404

Tritanomaly

48.3502, 49.0634, 52.2693

Monochromacy



Original Color

46.1621, 49.0996, 41.6945

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.0238, 48.5636, 48.5430

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1621, 49.0996, 41.6945 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(193, 186, 163)` looks like.

```
.text, #text, p{  
    color:rgb(193, 186, 163)  
}
```

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(193, 186, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 186, 163) }
```

Border

The CSS property to change the border of an element to XYZ 46.1621, 49.0996, 41.6945 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(193, 186, 163) }
```


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

```
.border{ border-color:rgb(193, 186, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 186, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 186, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 186, 163);  
box-shadow:4px 4px 4px 4px rgb(193, 186,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1621, 49.0996, 41.6945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 186, 163) }
```

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

```
.background{ background-color: rgb(193,  
186, 163) }
```

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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