

Converting Colors

XYZ(46.2316, 45.6504, 49.0226)

Have a look what the booklet for
XYZ(46.2316, 45.6504, 49.0226)
contains.

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Color

**XYZ(46.2316, 45.6504,
49.0226)**

Conversions

Conversions Part 1

Format	Color
Hex	C4AFB3
RGB	196, 175, 179
RGB Percent	77%, 69%, 70%
CMY	0.2314, 0.3137, 0.2980
CMYK	0.00, 0.11, 0.09, 0.23
HSL	349°, 15%, 73%
HSV	349°, 11%, 77%
XYZ	46.2316, 45.6504, 49.0226
YIQ	181.7350, 11.2320, 5.6960

Conversions

Conversions Part 2

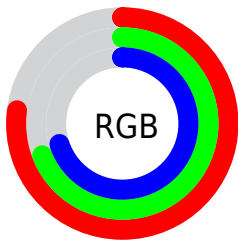
Format	Color
R_{YB}	196, 175, 179
Decimal	12890035
CIE Lab	73.32, 8.23, 0.71
CIE LCh	73, 8.260, 4.921
Yxy	45.6504, 0.3281, 0.3240
Android (android.graphics.Color)	4291080115 (0xFFC4AFB3)
YUV	181.7350, -1.3484, 12.5104
Hunter-Lab	67.5651, 3.9002, 4.2770

Details

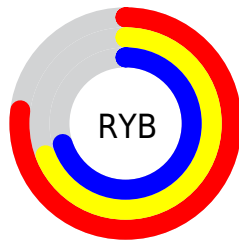
The XYZ color **46.2316, 45.6504, 49.0226** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.9353, 52.4007, 57.5123**, and the grayscale version is **44.3232, 46.6315, 50.7816**.

A 20% lighter version of the original color is **84.0793, 84.0326, 90.3857**, and **22.0042, 21.4231, 22.7140** is the 20% darker color. If you saturate the color by 10%, you get **41.1767, 37.9626, 39.8696**, and if you desaturate by 10%, it is **52.0276, 54.5235, 59.3350**.

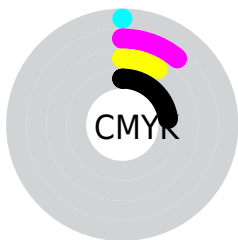
Distribution



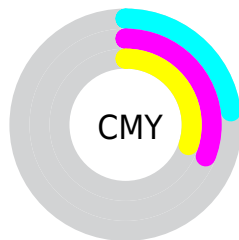
- Red (77%)
- Green (69%)
- Blue (70%)



- Red (77%)
- Yellow (69%)
- Blue (70%)



- Cyan (0%)
- Magenta (11%)
- Yellow (9%)
- Black (23%)





- Cyan (23%)
- Magenta (31%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.2316, 45.6504, 49.0226 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 46.2316, 45.6504, 49.0226 by changing the saturation by 10% instead.


 46.2316, 45.6504,
49.0226

 46.2316, 45.6504,
49.0226


362.4393,
369.4014, 399.4563

 32.6340, 31.9700,
34.2717

 83.7912, 83.6955,
90.1064

 22.0041, 21.3386,
22.8233


108.4840,
108.8291, 117.2763

 13.9765, 13.3717,
14.2590


137.6059,
138.5492, 149.4229

 8.1859, 7.6850,
8.1603

171.5222,
173.2402, 186.9649

 4.2670, 3.8941,
4.1084

210.5984,
213.2866, 230.3206

 1.8542, 1.6145,
1.6850

255.1997,

 0.5500, 0.3673,

259.0726, 279.9088

0.3504

305.6916,
310.9827, 336.1478

■ 0.0000, 0.0000,
0.0000

■ 46.2316, 45.6504,
49.0226

■ 46.2316, 45.6504,
49.0226

■ 41.1767, 37.9626,
39.8696

■ 52.0276, 54.5235,
59.3350

■ 36.8289, 31.4041,
31.8325

■ 58.5889, 64.6229,
70.8427

■ 33.1576, 25.9233,
24.8689

■ 65.9437, 75.9951,
83.5835

■ 30.1282, 21.4623,
18.9329

■ 74.1175, 88.6821,
97.5926

■ 27.7029, 17.9577,
13.9753

■ 76.5752, 90.4759,
108.0354

■ 25.8402, 15.3390,
9.9423

■ 24.4929, 13.5259,
6.7753

■ 23.6057, 12.4235,
4.4082

■ 23.1039, 11.8714,
2.8494

Harmonies

Analogous

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



45.9682, 45.6504, 53.1733



46.2316, 45.6504, 49.0226



45.7197, 45.6504, 45.2663

Triad

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



46.2316, 45.6504, 49.0226



41.8102, 45.6504, 43.4318



42.2163, 45.6504, 57.3071

Complementary

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



46.2316, 45.6504, 49.0226



46.9353, 52.4007, 57.5123

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.



41.1396, 45.6504, 54.4259



46.2316, 45.6504, 49.0226



40.9088, 45.6504, 46.3919

Square

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



46.2316, 45.6504, 49.0226



43.1502, 45.6504, 42.1553



40.6660, 45.6504, 50.3948



43.6293, 45.6504, 58.1074

Rectangle

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



46.2316, 45.6504, 49.0226



45.0142, 45.6504, 43.4434



40.6660, 45.6504, 50.3948



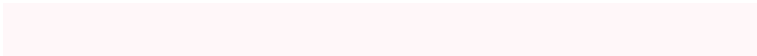
41.8041, 45.6504, 56.5422

Sweetspot

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



46.2329, 45.6524, 49.0236



91.6766, 94.8233, 102.9349



46.9828, 45.8280, 58.5945



19.4342, 20.0074, 21.6983



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.



46.2329, 45.6524, 49.0236



81.3473, 79.0332, 84.4827



47.0892, 48.0026, 47.3435



10.1498, 10.1085, 10.8794



14.8693, 7.6375, 1.9579



0.6666, 0.3396, 0.2116

Inverse Universe

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



46.2329, 45.6524, 49.0236



81.3473, 79.0332, 84.4827



45.9932, 49.7980, 59.4129



10.1498, 10.1085, 10.8794



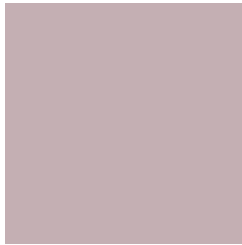
14.8693, 7.6375, 1.9579



0.6666, 0.3396, 0.2116

Previews

White Background



This preview shows how the XYZ color 46.2316, 45.6504, 49.0226 looks on a white background.

Color Contrast Check

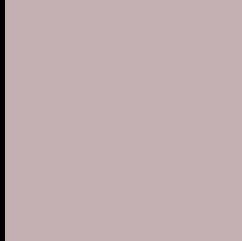
Large Text (above 18pt) WCAG AA × Fail

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 46.2316, 45.6504, 49.0226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

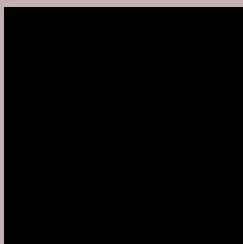
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

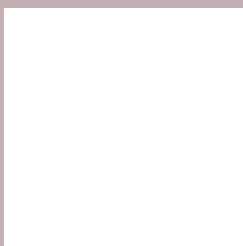
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.2316, 45.6504, 49.0226

Background



This preview shows how black text looks on a background with the XYZ color 46.2316, 45.6504, 49.0226.



This preview shows how white text looks on a background with the XYZ color 46.2316, 45.6504,

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

46.2316, 45.6504, 49.0226

Protanopia

43.9890, 45.6437, 50.2077

Deuteranopia

46.5614, 45.5325, 48.9824



Tritanopia

47.1317, 45.7303, 53.3564

Trichromacy



Original Color

46.2316, 45.6504, 49.0226

Protanomaly

44.8977, 45.8274, 49.6592

Deuteranomaly

46.2987, 45.3971, 48.9701

Tritanomaly

46.8137, 45.6031, 51.6823

Monochromacy



Original Color

46.2316, 45.6504, 49.0226

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

44.9541, 46.1412, 50.2529

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2316, 45.6504, 49.0226 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, 175, 179)` looks like.

```
.text, #text, p{  
    color:rgb(196, 175, 179)  
}
```

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, 175, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 175, 179) }
```

Border

The CSS property to change the border of an element to XYZ 46.2316, 45.6504, 49.0226 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, 175, 179) }
```


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

```
.border{ border-color:rgb(196, 175, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 175, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 175, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 175, 179);  
box-shadow:4px 4px 4px 4px rgb(196, 175,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2316, 45.6504, 49.0226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 175, 179) }
```

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

```
.background{ background-color: rgb(196,  
175, 179) }
```

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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