

Converting Colors

XYZ(45.9719, 40.3500, 46.4904)

Have a look what the booklet for
XYZ(45.9719, 40.3500, 46.4904)
contains.

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Color

**XYZ(46.0194, 40.4668,
46.4597)**

Conversions

Conversions Part 1

Format	Color
Hex	D19CB0
RGB	209, 156, 176
RGB Percent	82%, 61%, 69%
CMY	0.1804, 0.3882, 0.3098
CMYK	0.00, 0.25, 0.16, 0.18
HSL	337°, 37%, 72%
HSV	337°, 25%, 82%
XYZ	46.0194, 40.4668, 46.4597
YIQ	174.1270, 25.1680, 17.4560

Conversions

Conversions Part 2

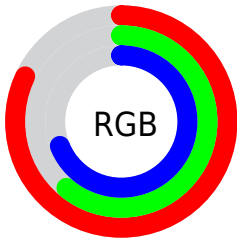
Format	Color
RYB	209, 156, 176
Decimal	13737136
CIELab	69.80, 22.79, -2.64
CIELCh	70, 22.940, 353.400
Yxy	40.4668, 0.3462, 0.3044
Android (android.graphics.Color)	4291927216 (0xFFD19CB0)
YUV	174.1270, 0.9234, 30.5836
Hunter-Lab	63.6135, 17.8071, 1.2274

Details

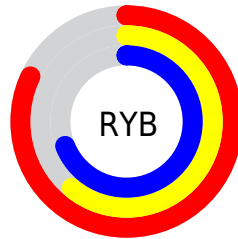
The XYZ color **46.0194, 40.4668, 46.4597** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **45.6977, 56.3440, 56.6136**, and the grayscale version is **40.2846, 42.3826, 46.1546**.

A 20% lighter version of the original color is **79.0998, 73.6747, 86.3956**, and **21.9148, 18.2259, 21.4317** is the 20% darker color. If you saturate the color by 10%, you get **41.5830, 33.5565, 38.9296**, and if you desaturate by 10%, it is **51.1850, 48.6370, 54.8429**.

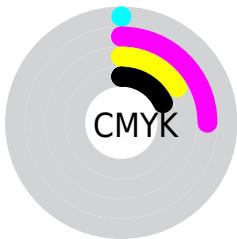
Distribution



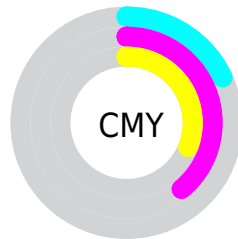
- Red (82%)
- Green (61%)
- Blue (69%)



- Red (82%)
- Yellow (61%)
- Blue (69%)



- Cyan (0%)
- Magenta (25%)
- Yellow (16%)
- Black (18%)





- Cyan (18%)
- Magenta (39%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.0194, 40.4668, 46.4597 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 46.0194, 40.4668, 46.4597 by changing the saturation by 10% instead.


 46.0194, 40.4668,
46.4597


 46.0194, 40.4668,
46.4597


361.6013,
348.0872, 388.9849

 32.4658, 27.9027,
32.2575


 83.4757, 75.8738,
86.2481

 21.8748, 18.2523,
21.2918

 108.1092, 99.4855,
112.6713

 13.8810, 11.1313,
13.1441


137.1666,
127.5485, 144.0052

 8.1191, 6.1552,
7.3960

171.0134,
160.4472, 180.6684

 4.2237, 2.9397,
3.6288

210.0149,
198.5661, 223.0795

 1.8295, 1.1003,
1.4240

254.5365,

 0.5353, 0.0000,

242.2894, 271.6569

0.1603

304.9435,
292.0016, 326.8192

■ 0.0000, 0.0000,
0.0000

■ 46.0194, 40.4668,
46.4597

■ 46.0194, 40.4668,
46.4597

■ 41.5830, 33.5565,
38.9296

■ 51.1850, 48.6370,
54.8429

■ 37.8379, 27.8374,
32.2216

■ 57.1084, 58.1202,
64.1037

■ 34.7482, 23.2427,
26.3062

■ 63.8207, 68.9733,
74.2687

■ 32.2729, 19.6965,
21.1512

■ 71.3503, 81.2480,
85.3626

■ 30.3661, 17.1136,
16.7216

■ 77.9426, 91.4306,
96.8152

■ 28.9750, 15.3951,
12.9790

■ 79.9578, 92.2367,
107.4273

■ 28.0358, 14.4204,
9.8797

■ 80.1047, 92.2954,
108.2006

■ 27.7008, 14.1179,
8.6353

Harmonies

Analogous

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



44.4993, 40.4668, 57.4476



46.0194, 40.4668, 46.4597



45.4121, 40.4668, 36.4119

Triad

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



46.0194, 40.4668, 46.4597



35.6894, 40.4668, 27.7997



34.3510, 40.4668, 62.6512

Complementary

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



46.0194, 40.4668, 46.4597



45.6977, 56.3440, 56.6136

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.



32.2607, 40.4668, 52.7138



46.0194, 40.4668, 46.4597



32.9979, 40.4668, 32.9352

Square

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



46.0194, 40.4668, 46.4597



39.2910, 40.4668, 26.6750



31.7817, 40.4668, 41.7472



37.6457, 40.4668, 67.7212

Rectangle

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



46.0194, 40.4668, 46.4597



43.9007, 40.4668, 31.4249



31.7817, 40.4668, 41.7472



33.4930, 40.4668, 59.6992

Sweetspot

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



46.0206, 40.4686, 46.4605



86.9056, 86.8765, 96.4271



44.3064, 39.1607, 65.5456



18.2929, 18.1005, 20.1595



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.



46.0206, 40.4686, 46.4605



68.5672, 57.8230, 66.8126



45.2493, 41.8628, 37.1501



11.9906, 11.8810, 13.2264



17.1237, 8.7223, 5.5576



0.9956, 0.5029, 0.5114

Inverse Universe

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



46.0206, 40.4686, 46.4605



68.5672, 57.8230, 66.8126



46.5329, 54.2978, 68.3500



11.9906, 11.8810, 13.2264



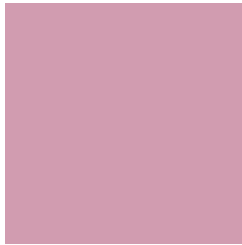
17.1237, 8.7223, 5.5576



0.9956, 0.5029, 0.5114

Previews

White Background



This preview shows how the XYZ color 46.0194, 40.4668, 46.4597 looks on a white background.

Color Contrast Check

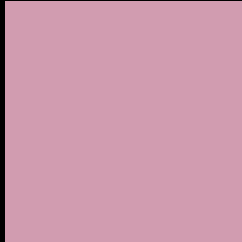
Large Text (above 18pt) WCAG AA × Fail

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 46.0194, 40.4668, 46.4597 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 46.0194, 40.4668, 46.4597

Background



This preview shows how black text looks on a background with the XYZ color 46.0194, 40.4668, 46.4597.



This preview shows how white text looks on a background with the XYZ color 46.0194, 40.4668,

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

46.0194, 40.4668, 46.4597

Protanopia

39.6040, 40.7562, 51.1268

Deuteranopia

41.5259, 40.7675, 45.7247



Tritanopia

45.2308, 40.3884, 42.9479

Trichromacy



Original Color

46.0194, 40.4668, 46.4597

Protanomaly

41.5628, 40.4368, 49.3306

Deuteranomaly

42.9063, 40.4051, 46.0950

Tritanomaly

45.5158, 40.5024, 44.4485

Monochromacy



Original Color

46.0194, 40.4668, 46.4597

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

42.0501, 41.2974, 46.3124

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0194, 40.4668, 46.4597 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(209, 156, 176)` looks like.

```
.text, #text, p{  
    color:rgb(209, 156, 176)  
}
```

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(209, 156, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 156, 176) }
```

Border

The CSS property to change the border of an element to XYZ 46.0194, 40.4668, 46.4597 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(209, 156, 176) }
```


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

```
.border{ border-color:rgb(209, 156, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 156, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 156, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 156, 176);  
box-shadow:4px 4px 4px 4px rgb(209, 156,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0194, 40.4668, 46.4597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 156, 176) }
```

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

```
.background{ background-color: rgb(209,  
156, 176) }
```

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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