

Converting Colors

XYZ(46.2939, 40.5298, 58.0808)

Have a look what the booklet for
XYZ(46.2939, 40.5298, 58.0808)
contains.

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Color

**XYZ(46.4921, 40.7017,
58.2291)**

Conversions

Conversions Part 1

Format	Color
Hex	CA9DC5
RGB	202, 157, 197
RGB Percent	79%, 62%, 77%
CMY	0.2078, 0.3843, 0.2274
CMYK	0.00, 0.22, 0.02, 0.21
HSL	307°, 30%, 70%
HSV	307°, 22%, 79%
XYZ	46.4921, 40.7017, 58.2291
YIQ	175.0150, 13.9800, 21.9800

Conversions

Conversions Part 2

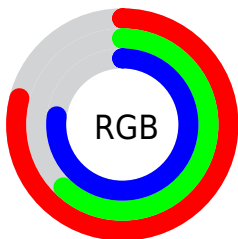
Format	Color
R_{YB}	202, 157, 197
Decimal	13278661
CIE _{Lab}	69.97, 23.41, -14.12
CIE _{LCh}	70, 27.342, 328.905
Yxy	40.7017, 0.3197, 0.2799
Android (android.graphics.Color)	4291468741 (0xFFCA9DC5)
YUV	175.0150, 10.8386, 23.6658
Hunter-Lab	63.7979, 18.4339, -9.4562

Details

The XYZ color **46.4921, 40.7017, 58.2291** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **41.5483, 52.0190, 42.0355**, and the grayscale version is **40.6970, 42.8164, 46.6270**.

A 20% lighter version of the original color is **82.6729, 75.5027, 103.9821**, and **22.0421, 18.2894, 28.3551** is the 20% darker color. If you saturate the color by 10%, you get **43.0981, 34.3216, 55.8386**, and if you desaturate by 10%, it is **50.4574, 48.2169, 60.8299**.

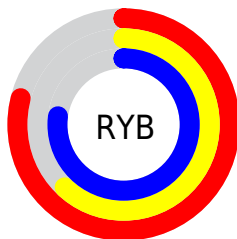
Distribution



Red (79%)

Green (62%)

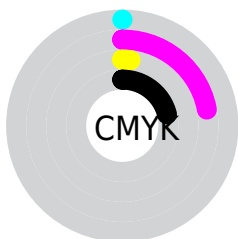
Blue (77%)



Red (79%)

Yellow (62%)

Blue (77%)

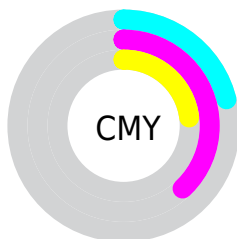


Cyan (0%)

Magenta (22%)

Yellow (2%)

Black (21%)



Cyan (21%)


Magenta (38%)

Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4921, 40.7017, 58.2291 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 46.4921, 40.7017, 58.2291 by changing the saturation by 10% instead.


 46.4921, 40.7017,
58.2291

 46.4921, 40.7017,
58.2291


363.4664,
349.0723, 435.6611

 32.8406, 28.0861,
41.5769


 84.1784, 76.2309,
103.7745

 22.1630, 18.3906,
28.4471


 108.9438, 99.9132,
133.5048

 14.0940, 11.2307,
18.4210


138.1446,
128.0532, 168.4315

 8.2682, 6.2223,
11.0801

172.1461,
161.0353, 208.9733

 4.3203, 2.9807,
6.0059

211.3137,
199.2438, 255.5486

 1.8849, 1.1217,
2.7798

256.0127,

 0.5680, 0.0000,

243.0633, 308.5760

0.9833

306.6085,
292.8780, 368.4740

■ 0.0000, 0.0000,
0.0000

■ 46.4921, 40.7017,
58.2291

■ 46.4921, 40.7017,
58.2291

■ 43.0981, 34.3216,
55.8386

■ 50.4574, 48.2169,
60.8299

■ 40.2439, 29.0158,
53.6463

■ 55.0161, 56.9135,
63.6470

■ 37.9007, 24.7258,
51.6432

■ 60.1938, 66.8418,
66.6895

■ 36.0354, 21.3856,
49.8180

■ 66.0134, 78.0476,
69.9651

■ 34.6111, 18.9212,
48.1583

■ 71.5302, 88.6418,
73.1590

■ 33.5852, 17.2478,
46.6499

■ 71.8088, 88.7533,
74.6261

■ 32.9070, 16.2637,
45.2759

■ 72.0914, 88.8663,
76.1139

■ 32.5503, 15.8338,
44.2828

■ 72.3779, 88.9809,
77.6225

■ 72.6683, 89.0971,
79.1519

Harmonies

Analogous

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



42.9745, 40.7017, 69.4419



46.4921, 40.7017, 58.2291



47.8952, 40.7017, 44.7877

Triad

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



46.4921, 40.7017, 58.2291



38.8497, 40.7017, 24.0404



31.6627, 40.7017, 57.2604

Complementary

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



46.4921, 40.7017, 58.2291



41.5483, 52.0190, 42.0355

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.



30.7397, 40.7017, 43.8501



46.4921, 40.7017, 58.2291



34.6923, 40.7017, 26.1273

Square

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



46.4921, 40.7017, 58.2291



43.2793, 40.7017, 26.4583



31.8061, 40.7017, 32.8190



34.4293, 40.7017, 68.8113

Rectangle

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



46.4921, 40.7017, 58.2291



47.3663, 40.7017, 36.8364



31.8061, 40.7017, 32.8190



31.1363, 40.7017, 52.7479

Sweetspot

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



46.4933, 40.7035, 58.2300



89.2999, 89.0082, 105.4159



37.5183, 36.0094, 60.8509



19.0130, 18.8590, 22.5009



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.



46.4933, 40.7035, 58.2300



75.6730, 63.1780, 96.4846



44.1534, 39.7675, 45.9079



11.6318, 11.3814, 13.8614



20.9660, 10.1970, 28.6034



1.0973, 0.5323, 1.5583

Inverse Universe

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



46.4933, 40.7035, 58.2300



75.6730, 63.1780, 96.4846



43.6783, 52.8709, 53.2518



11.6318, 11.3814, 13.8614



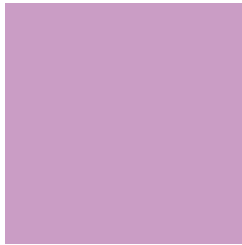
20.9660, 10.1970, 28.6034



1.0973, 0.5323, 1.5583

Previews

White Background



This preview shows how the XYZ color 46.4921, 40.7017, 58.2291 looks on a white background.

Color Contrast Check

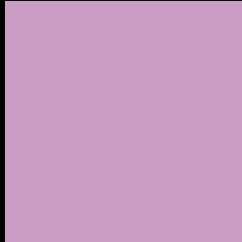
Large Text (above 18pt) WCAG AA × Fail

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 46.4921, 40.7017, 58.2291 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

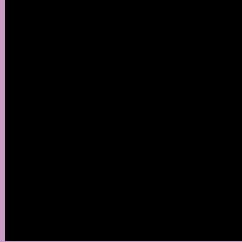
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.4921, 40.7017, 58.2291

Background



This preview shows how black text looks on a background with the XYZ color 46.4921, 40.7017, 58.2291.



This preview shows how white text looks on a background with the XYZ color 46.4921, 40.7017,

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

46.4921, 40.7017, 58.2291

Protanopia

40.7040, 41.0497, 63.5357

Deuteranopia

41.8005, 40.9247, 57.3259



Tritanopia

43.9380, 40.6878, 45.5822

Trichromacy



Original Color

46.4921, 40.7017, 58.2291

Protanomaly

42.4759, 40.6395, 61.4826

Deuteranomaly

43.3107, 40.6190, 57.7821

Tritanomaly

44.8337, 40.7984, 49.7678

Monochromacy



Original Color

46.4921, 40.7017, 58.2291

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

42.5575, 41.7384, 50.6131

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4921, 40.7017, 58.2291 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(202, 157, 197)` looks like.

```
.text, #text, p{  
    color:rgb(202, 157, 197)  
}
```

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(202, 157, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 157, 197) }
```

Border

The CSS property to change the border of an element to XYZ 46.4921, 40.7017, 58.2291 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(202, 157, 197) }
```


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

```
.border{ border-color:rgb(202, 157, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 157, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 157, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 157, 197);  
box-shadow:4px 4px 4px 4px rgb(202, 157,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4921, 40.7017, 58.2291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 157, 197) }
```

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

```
.background{ background-color: rgb(202,  
157, 197) }
```

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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