

Converting Colors

XYZ(46.5268, 40.0465, 59.7314)

Have a look what the booklet for
XYZ(46.5268, 40.0465, 59.7314)
contains.

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Color

**XYZ(46.6095, 39.9778,
59.9035)**

Conversions

Conversions Part 1

Format	Color
Hex	CB9AC8
RGB	203, 154, 200
RGB Percent	80%, 60%, 78%
CMY	0.2039, 0.3961, 0.2157
CMYK	0.00, 0.24, 0.01, 0.20
HSL	304°, 32%, 70%
HSV	304°, 24%, 80%
XYZ	46.6095, 39.9778, 59.9035
YIQ	173.8950, 14.4380, 24.6940

Conversions

Conversions Part 2

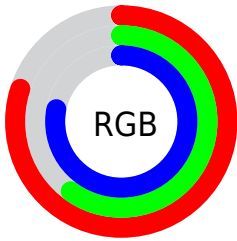
Format	Color
R _Y B	203, 154, 200
Decimal	13343432
CIE Lab	69.45, 25.95, -16.55
CIE LCh	69, 30.780, 327.482
Yxy	39.9778, 0.3182, 0.2729
Android (android.graphics.Color)	4291533512 (0xFFCB9AC8)
YUV	173.8950, 12.8698, 25.5251
Hunter-Lab	63.2280, 20.9350, -11.9130

Details

The XYZ color **46.6095, 39.9778, 59.9035** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **40.7697, 52.0174, 39.7920**, and the grayscale version is **40.1101, 42.1989, 45.9546**.

A 20% lighter version of the original color is **82.0905, 74.0809, 104.5802**, and **22.1524, 17.8740, 29.4766** is the 20% darker color. If you saturate the color by 10%, you get **43.3939, 33.7776, 58.1182**, and if you desaturate by 10%, it is **50.3953, 47.3152, 61.8856**.

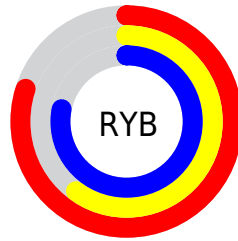
Distribution



Red (80%)

Green (60%)

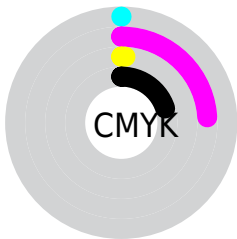
Blue (78%)



Red (80%)

Yellow (60%)

Blue (78%)

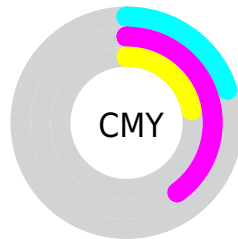


Cyan (0%)

Magenta (24%)

Yellow (1%)

Black (20%)



Cyan (20%)


Magenta (40%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.6095, 39.9778, 59.9035 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 46.6095, 39.9778, 59.9035 by changing the saturation by 10% instead.


 46.6095, 39.9778,
59.9035


 46.6095, 39.9778,
59.9035


363.9286,
346.0300, 442.0367

 32.9337, 27.5212,
42.9161


 84.3527, 75.1297,
106.2317

 22.2347, 17.9651,
29.4884


 109.1509, 98.5938,
136.4095

 14.1470, 10.9249,
19.2018


138.3872,
126.4960, 171.8212

 8.3054, 6.0164,
11.6379

172.4270,
159.2204, 212.8853

 4.3444, 2.8550,
6.3781

211.6357,
197.1517, 260.0204

 1.8988, 1.0565,
3.0038

256.3787,

 0.5761, 0.0000,

240.6741, 313.6449

1.0966

307.0212,
290.1721, 374.1776

■ 0.0000, 0.0000,
0.0000

■ 46.6095, 39.9778,
59.9035

■ 46.6095, 39.9778,
59.9035

■ 43.3939, 33.7776,
58.1182

■ 50.3953, 47.3152,
61.8856

■ 40.7164, 28.6522,
56.5176

■ 54.7740, 55.8374,
64.0708

■ 38.5472, 24.5416,
55.0923

■ 59.7719, 65.5958,
66.4681

■ 36.8522, 21.3775,
53.8308

■ 65.4122, 76.6373,
69.0855

■ 35.5931, 19.0833,
52.7203

■ 71.5558, 88.6834,
71.8766

34.7256, 17.5706,
51.7462

71.7077, 88.7442,
72.6763

34.1962, 16.7321,
50.8905

71.8607, 88.8054,
73.4822

33.9857, 16.4394,
50.4248

72.0150, 88.8671,
74.2946

72.1704, 88.9293,
75.1132

Harmonies

Analogous

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



42.5653, 39.9778, 72.4952



46.6095, 39.9778, 59.9035



48.3311, 39.9778, 44.7387

Triad

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



46.6095, 39.9778, 59.9035



38.4178, 39.9778, 21.5665



30.1577, 39.9778, 57.3713

Complementary

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



46.6095, 39.9778, 59.9035



40.7697, 52.0174, 39.7920

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.



29.2533, 39.9778, 42.3413



46.6095, 39.9778, 59.9035



33.7691, 39.9778, 23.5346

Square

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



46.6095, 39.9778, 59.9035



43.3520, 39.9778, 24.3391



30.5179, 39.9778, 30.4487



33.1034, 39.9778, 70.8240

Rectangle

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



46.6095, 39.9778, 59.9035



47.8271, 39.9778, 35.8371



30.5179, 39.9778, 30.4487



29.6167, 39.9778, 52.2496

Sweetspot

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



46.6107, 39.9796, 59.9044



89.4421, 89.0651, 106.1650



36.1344, 34.5379, 61.2627



19.0460, 18.8722, 22.6750



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.



46.6107, 39.9796, 59.9044



75.1035, 61.2598, 98.6968



44.0270, 38.9461, 46.2987



11.6567, 11.3914, 13.9930



21.6405, 10.4668, 32.1551



1.1256, 0.5436, 1.7073

Inverse Universe

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



46.6107, 39.9796, 59.9044



75.1035, 61.2598, 98.6968



43.0191, 52.9172, 51.6373



11.6567, 11.3914, 13.9930



21.6405, 10.4668, 32.1551



1.1256, 0.5436, 1.7073

Previews

White Background



This preview shows how the XYZ color 46.6095, 39.9778, 59.9035 looks on a white background.

Color Contrast Check

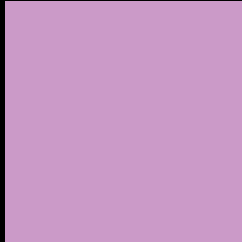
Large Text (above 18pt) WCAG AA × Fail

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 46.6095, 39.9778, 59.9035 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

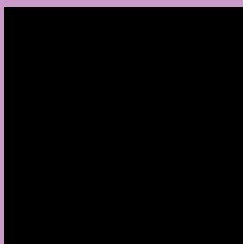
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.6095, 39.9778, 59.9035

Background



This preview shows how black text looks on a background with the XYZ color 46.6095, 39.9778, 59.9035.



This preview shows how white text looks on a background with the XYZ color 46.6095, 39.9778,

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

46.6095, 39.9778, 59.9035

Protanopia

40.1327, 40.1320, 66.6038

Deuteranopia

41.0628, 40.2339, 59.0278



Tritanopia

43.3977, 39.9169, 44.4472

Trichromacy



Original Color

46.6095, 39.9778, 59.9035

Protanomaly

42.1423, 39.8807, 63.8691

Deuteranomaly

42.9963, 40.1545, 59.5173

Tritanomaly

44.3199, 39.7707, 49.5966

Monochromacy



Original Color

46.6095, 39.9778, 59.9035

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

42.3735, 41.3706, 50.5517

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6095, 39.9778, 59.9035 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(203, 154, 200)` looks like.

```
.text, #text, p{  
    color:rgb(203, 154, 200)  
}
```

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(203, 154, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 154, 200) }
```

Border

The CSS property to change the border of an element to XYZ 46.6095, 39.9778, 59.9035 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(203, 154, 200) }
```


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

```
.border{ border-color:rgb(203, 154, 200) }
```

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

Here you see how a box with a 4 pixel rgb(203, 154, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 154, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 154, 200);  
box-shadow:4px 4px 4px 4px rgb(203, 154,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6095, 39.9778, 59.9035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 154, 200) }
```

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

```
.background{ background-color: rgb(203,  
154, 200) }
```

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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