

Converting Colors

XYZ(46.1898, 40.3360, 59.0915)

Have a look what the booklet for
XYZ(46.1898, 40.3360, 59.0915)
contains.

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Color

**XYZ(46.2847, 40.3180,
59.3755)**

Conversions

Conversions Part 1

Format	Color
Hex	C99CC7
RGB	201, 156, 199
RGB Percent	79%, 61%, 78%
CMY	0.2118, 0.3882, 0.2196
CMYK	0.00, 0.22, 0.01, 0.21
HSL	303°, 29%, 70%
HSV	303°, 22%, 79%
XYZ	46.2847, 40.3180, 59.3755
YIQ	174.3570, 13.0170, 22.9130

Conversions

Conversions Part 2

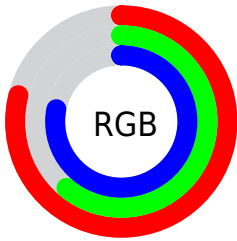
Format	Color
R _Y B	201, 156, 199
Decimal	13212871
CIE Lab	69.70, 23.99, -15.65
CIE LCh	70, 28.646, 326.892
Yxy	40.3180, 0.3171, 0.2762
Android (android.graphics.Color)	4291402951 (0xFFC99CC7)
YUV	174.3570, 12.1490, 23.3659
Hunter-Lab	63.4965, 18.9958, -10.9945

Details

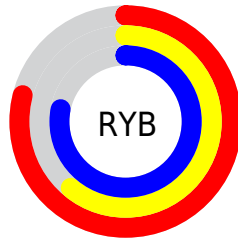
The XYZ color **46.2847, 40.3180, 59.3755** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **40.7702, 51.3111, 40.1053**, and the grayscale version is **40.3515, 42.4529, 46.2312**.

A 20% lighter version of the original color is **82.5843, 75.0685, 104.7448**, and **21.9152, 18.0560, 29.1182** is the 20% darker color. If you saturate the color by 10%, you get **43.0839, 34.0813, 57.7986**, and if you desaturate by 10%, it is **50.0467, 47.6747, 61.1434**.

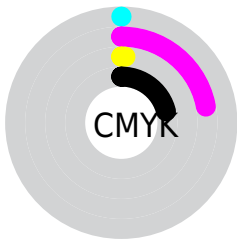
Distribution



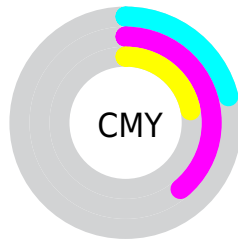
- Red (79%)
- Green (61%)
- Blue (78%)



- Red (79%)
- Yellow (61%)
- Blue (78%)



- Cyan (0%)
- Magenta (22%)
- Yellow (1%)
- Black (21%)




- Cyan (21%)
- Magenta (39%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.2847, 40.3180, 59.3755 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 46.2847, 40.3180, 59.3755 by changing the saturation by 10% instead.


 46.2847, 40.3180,
59.3755

 46.2847, 40.3180,
59.3755

362.6488,
347.4621, 440.0326

 32.6761, 27.7866,
42.4935


 83.8702, 75.6475,
105.4577

 22.0365, 18.1648,
29.1594

 108.5778, 99.2144,
135.4950

 14.0005, 11.0684,
18.9548

137.7158,
127.2285, 170.7544

 8.2027, 6.1129,
11.4612

171.6495,
160.0743, 211.6545

 4.2778, 2.9138,
6.2599

210.7443,
198.1362, 258.6138

 1.8605, 1.0869,
2.9324

255.3655,

 0.5537, 0.0000,

241.7985, 312.0509

1.0602

305.8786,
291.4457, 372.3843

■ 0.0000, 0.0000,
0.0000

■ 46.2847, 40.3180,
59.3755

■ 46.2847, 40.3180,
59.3755

■ 43.0839, 34.0813,
57.7986

■ 50.0467, 47.6747,
61.1434

■ 40.4132, 28.9045,
56.4009

■ 54.3917, 56.1972,
63.1082

■ 38.2440, 24.7297,
55.1734

■ 59.3449, 65.9351,
65.2787

■ 36.5437, 21.4917,
54.1052

■ 64.9290, 76.9338,
67.6625

■ 35.2756, 19.1172,
53.1841

■ 70.6832, 88.2719,
70.1061

■ 34.3979, 17.5225,
52.3960

■ 70.7904, 88.3148,
70.6704

■ 33.8602, 16.6069,
51.7243

■ 70.8982, 88.3579,
71.2379

■ 33.6094, 16.2264,
51.2677

■ 71.0066, 88.4012,
71.8087

■ 71.1156, 88.4448,
72.3827

Harmonies

Analogous

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



42.4967, 40.3180, 70.8363



46.2847, 40.3180, 59.3755



47.9307, 40.3180, 45.2985

Triad

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



46.2847, 40.3180, 59.3755



38.8065, 40.3180, 23.0209



30.9069, 40.3180, 56.4908

Complementary

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



46.2847, 40.3180, 59.3755



40.7702, 51.3111, 40.1053

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.



30.0902, 40.3180, 42.5295



46.2847, 40.3180, 59.3755



34.4283, 40.3180, 24.8378

Square

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



46.2847, 40.3180, 59.3755



43.4001, 40.3180, 25.7970



31.3276, 40.3180, 31.3774



33.6546, 40.3180, 68.9487

Rectangle

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



46.2847, 40.3180, 59.3755



47.5006, 40.3180, 36.8904



31.3276, 40.3180, 31.3774



30.4075, 40.3180, 51.7444

Sweetspot

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



46.2859, 40.3198, 59.3764



89.4901, 89.0843, 106.4177



36.4353, 35.2146, 60.1359



19.0572, 18.8766, 22.7337



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.



46.2859, 40.3198, 59.3764



76.3916, 63.4655, 100.2687



43.9131, 39.3706, 46.8814



11.0620, 10.8082, 13.3095



21.1413, 10.2061, 32.2836



1.0075, 0.4858, 1.5626

Inverse Universe

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



46.2859, 40.3198, 59.3764



76.3916, 63.4655, 100.2687



42.8367, 52.1377, 50.9874



11.0620, 10.8082, 13.3095



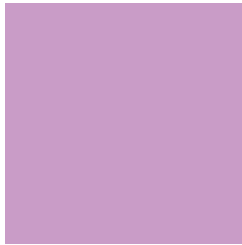
21.1413, 10.2061, 32.2836



1.0075, 0.4858, 1.5626

Previews

White Background



This preview shows how the XYZ color 46.2847, 40.3180, 59.3755 looks on a white background.

Color Contrast Check

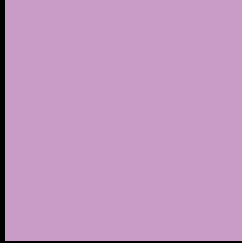
Large Text (above 18pt) WCAG AA × Fail

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 46.2847, 40.3180, 59.3755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

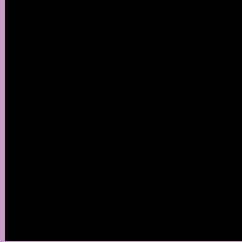
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.2847, 40.3180, 59.3755

Background



This preview shows how black text looks on a background with the XYZ color 46.2847, 40.3180, 59.3755.



This preview shows how white text looks on a background with the XYZ color 46.2847, 40.3180,

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

46.2847, 40.3180, 59.3755

Protanopia

40.4734, 40.6114, 65.3801

Deuteranopia

41.1698, 40.3023, 58.4326



Tritanopia

43.3137, 40.3772, 45.0459

Trichromacy



Original Color

46.2847, 40.3180, 59.3755

Protanomaly

42.1994, 40.1888, 63.2907

Deuteranomaly

42.8805, 40.1082, 58.9077

Tritanomaly

44.1303, 40.1794, 49.6855

Monochromacy



Original Color

46.2847, 40.3180, 59.3755

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

42.1331, 41.2467, 50.5405

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2847, 40.3180, 59.3755 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(201, 156, 199)` looks like.

```
.text, #text, p{  
    color:rgb(201, 156, 199)  
}
```

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(201, 156, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 156, 199) }
```

Border

The CSS property to change the border of an element to XYZ 46.2847, 40.3180, 59.3755 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(201, 156, 199) }
```


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

```
.border{ border-color:rgb(201, 156, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 156, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 156, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 156, 199);  
box-shadow:4px 4px 4px 4px rgb(201, 156,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2847, 40.3180, 59.3755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 156, 199) }
```

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

```
.background{ background-color: rgb(201,  
156, 199) }
```

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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