

Converting Colors

XYZ(46.3836, 36.6295, 59.2714)

Have a look what the booklet for
XYZ(46.3836, 36.6295, 59.2714)
contains.

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Color

**XYZ(46.3818, 36.6279,
59.2689)**

Conversions

Conversions Part 1

Format	Color
Hex	D28CC8
RGB	210, 140, 200
RGB Percent	82%, 55%, 78%
CMY	0.1765, 0.4510, 0.2157
CMYK	0.00, 0.33, 0.05, 0.18
HSL	309°, 44%, 69%
HSV	309°, 33%, 82%
XYZ	46.3818, 36.6279, 59.2689
YIQ	167.7700, 22.4600, 33.5000

Conversions

Conversions Part 2

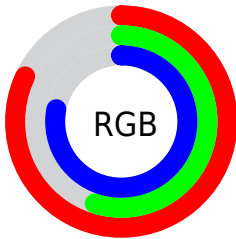
Format	Color
R _Y B	210, 140, 200
Decimal	13798600
CIE Lab	67.00, 35.90, -20.20
CIE LCh	67, 41.195, 330.633
Yxy	36.6279, 0.3260, 0.2574
Android (android.graphics.Color)	4291988680 (0xFFD28CC8)
YUV	167.7700, 15.8894, 37.0357
Hunter-Lab	60.5210, 30.8863, -15.6987

Details

The XYZ color **46.3818, 36.6279, 59.2689** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **39.3684, 53.8719, 37.1798**, and the grayscale version is **37.0246, 38.9527, 42.4195**.

A 20% lighter version of the original color is **78.8051, 67.5102, 103.4850**, and **22.0045, 15.9248, 29.1082** is the 20% darker color. If you saturate the color by 10%, you get **43.2542, 30.9278, 56.5136**, and if you desaturate by 10%, it is **50.1041, 43.5051, 62.2572**.

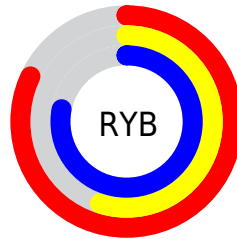
Distribution



Red (82%)

Green (55%)

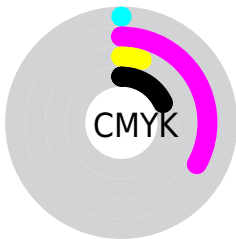
Blue (78%)



Red (82%)

Yellow (55%)

Blue (78%)

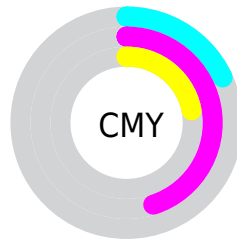


Cyan (0%)

Magenta (33%)

Yellow (5%)

Black (18%)



Cyan (18%)


Magenta (45%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.3818, 36.6279, 59.2689 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 46.3818, 36.6279, 59.2689 by changing the saturation by 10% instead.


 46.3818, 36.6279,
59.2689

 46.3818, 36.6279,
59.2689

363.0318,
331.6967, 439.6273


 32.7531, 24.9195,
42.4082


 84.0145, 70.0001,
105.3013

 22.0957, 16.0171,
29.0931


 108.7492, 92.4328,
135.3102

 14.0442, 9.5363,
18.9051


 137.9166,
119.2089, 170.5387

 8.2333, 5.0926,
11.4256

171.8821,
150.7130, 211.4057

 4.2977, 2.3017,
6.2361

211.0110,
187.3295, 258.3294

 1.8719, 0.7746,
2.9181

255.6686,

 0.5604, 0.0000,

229.4426, 311.7286

1.0530

306.2204,
277.4369, 372.0217

■ 0.0000, 0.0000,
0.0000

■ 46.3818, 36.6279,
59.2689

■ 46.3818, 36.6279,
59.2689

■ 43.2542, 30.9278,
56.5136

■ 50.1041, 43.5051,
62.2572

■ 40.6845, 26.3331,
53.9775

■ 54.4485, 51.6161,
65.4866

■ 38.6369, 22.7718,
51.6491


■ 59.4447, 61.0197,
68.9677


■ 37.0702, 20.1614,
49.5144


■ 65.1198, 71.7695,
72.7095


■ 35.9368, 18.4069,
47.5573


■ 71.4989, 83.9163,
76.7208


 35.1792, 17.3934,
45.7584

 74.9940, 90.2840,
79.8056

 34.8168, 16.9971,
44.6247

 75.3903, 90.4425,
81.8925

 75.7938, 90.6039,
84.0171

 76.2044, 90.7681,
86.1795

Harmonies

Analogous

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



41.3083, 36.6279, 77.4649



46.3818, 36.6279, 59.2689



48.2773, 36.6279, 39.5020

Triad

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



46.3818, 36.6279, 59.2689



34.6809, 36.6279, 14.4036



25.4570, 36.6279, 60.1320

Complementary

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



46.3818, 36.6279, 59.2689



39.3684, 53.8719, 37.1798

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.



24.1195, 36.6279, 40.2636



46.3818, 36.6279, 59.2689



29.0382, 36.6279, 16.9802

Square

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



46.3818, 36.6279, 59.2689



41.0507, 36.6279, 16.7656



25.3493, 36.6279, 25.2632



29.2428, 36.6279, 78.0592

Rectangle

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



46.3818, 36.6279, 59.2689



47.3252, 36.6279, 28.9339



25.3493, 36.6279, 25.2632



24.7280, 36.6279, 53.2917

Sweetspot

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



46.3829, 36.6295, 59.2697



86.8668, 84.5633, 103.3059



33.4679, 29.8321, 64.9679



18.3651, 17.6718, 21.9504



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.



46.3829, 36.6295, 59.2697



68.4229, 50.3591, 88.8851



42.8102, 35.2004, 40.4560



12.2351, 11.9788, 14.5141



21.2659, 10.3792, 27.3703



1.2094, 0.5885, 1.6377

Inverse Universe

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



46.3829, 36.6295, 59.2697



68.4229, 50.3591, 88.8851



42.5499, 55.1446, 53.9336



12.2351, 11.9788, 14.5141



21.2659, 10.3792, 27.3703



1.2094, 0.5885, 1.6377

Previews

White Background



This preview shows how the XYZ color 46.3818, 36.6279, 59.2689 looks on a white background.

Color Contrast Check

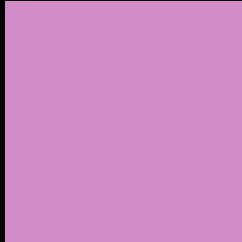
Large Text (above 18pt) WCAG AA × Fail

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 46.3818, 36.6279, 59.2689 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 46.3818, 36.6279, 59.2689

Background



This preview shows how black text looks on a background with the XYZ color 46.3818, 36.6279, 59.2689.



This preview shows how white text looks on a background with the XYZ color 46.3818, 36.6279,

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

46.3818, 36.6279, 59.2689

Protanopia

37.4050, 36.7856, 69.4189

Deuteranopia

37.6389, 36.9137, 57.3658



Tritanopia

42.0248, 36.6621, 37.6624

Trichromacy



Original Color

46.3818, 36.6279, 59.2689



Protanomaly

39.8187, 36.0935, 65.8408



Deuteranomaly

40.2917, 36.5170, 57.7482



Tritanomaly

43.4975, 36.5722, 44.8110

Monochromacy



Original Color

46.3818, 36.6279, 59.2689



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

39.9935, 37.8163, 48.3714

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3818, 36.6279, 59.2689 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(210, 140, 200)` looks like.

```
.text, #text, p{  
    color:rgb(210, 140, 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(210, 140, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 140, 200) }
```

Border

The CSS property to change the border of an element to XYZ 46.3818, 36.6279, 59.2689 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(210, 140, 200) }
```


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

```
.border{ border-color:rgb(210, 140, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 140, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 140, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 140, 200);  
box-shadow:4px 4px 4px 4px rgb(210, 140,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3818, 36.6279, 59.2689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 140, 200) }
```

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

```
.background{ background-color: rgb(210,  
140, 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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