

Converting Colors

XYZ(46.4430, 35.6432, 59.4617)

Have a look what the booklet for
XYZ(46.4430, 35.6432, 59.4617)
contains.

XYZ(46.3580, 35.5420, 59.6753)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.3580, 35.5420,
59.6753)**

Conversions

Conversions Part 1

Format	Color
Hex	D487C9
RGB	212, 135, 201
RGB Percent	83%, 53%, 79%
CMY	0.1686, 0.4706, 0.2118
CMYK	0.00, 0.36, 0.05, 0.17
HSL	309°, 47%, 68%
HSV	309°, 36%, 83%
XYZ	46.3580, 35.5420, 59.6753
YIQ	165.5470, 24.7060, 36.8500

Conversions

Conversions Part 2

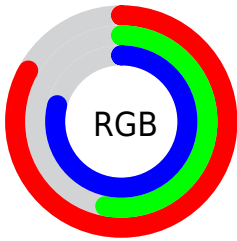
Format	Color
R _Y B	212, 135, 201
Decimal	13928393
CIE Lab	66.17, 39.40, -22.00
CIE LCh	66, 45.131, 330.822
Yxy	35.5420, 0.3274, 0.2510
Android (android.graphics.Color)	4292118473 (0xFFD487C9)
YUV	165.5470, 17.4783, 40.7393
Hunter-Lab	59.6171, 34.4709, -17.6159

Details

The XYZ color **46.3580, 35.5420, 59.6753** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **38.7250, 54.3144, 35.6390**, and the grayscale version is **35.9381, 37.8097, 41.1748**.

A 20% lighter version of the original color is **77.7035, 65.3069, 103.1178**, and **22.0700, 15.3610, 29.4055** is the 20% darker color. If you saturate the color by 10%, you get **43.3369, 30.0638, 56.9279**, and if you desaturate by 10%, it is **49.9773, 42.2041, 62.6575**.

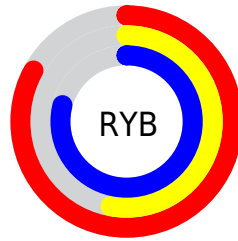
Distribution



Red (83%)

Green (53%)

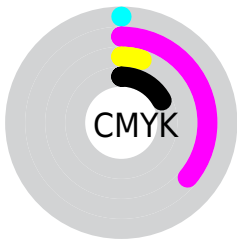
Blue (79%)



Red (83%)

Yellow (53%)

Blue (79%)

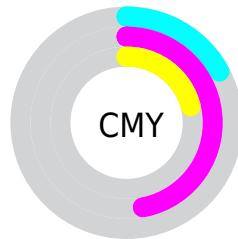


Cyan (0%)

Magenta (36%)

Yellow (5%)

Black (17%)



Cyan (17%)

Magenta (47%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.3580, 35.5420, 59.6753 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 46.3580, 35.5420, 59.6753 by changing the saturation by 10% instead.

46.3580, 35.5420,
59.6753

46.3580, 35.5420,
59.6753

362.9379,
326.9543, 441.1713

32.7342, 24.0807,
42.7334

83.9791, 68.3246,
105.8973

22.0812, 15.3935,
29.3461

108.7072, 90.4146,
136.0144

14.0335, 9.0960,
19.0950

137.8674,
116.8163, 171.3603

8.2258, 4.8039,
11.5614

171.8251,
147.9142, 212.3536

4.2928, 2.1326,
6.3269

210.9456,
184.0925, 259.4128

1.8691, 0.6829,
2.9729

255.5944,

0.5588, 0.0000,

225.7357, 312.9565

1.0808

306.1367,
273.2281, 373.4031

■ 0.0000, 0.0000,
0.0000

■ 46.3580, 35.5420,
59.6753

■ 46.3580, 35.5420,
59.6753

■ 43.3369, 30.0638,
56.9279

■ 49.9773, 42.2041,
62.6575

■ 40.8754, 25.6942,
54.4011

■ 54.2237, 50.1096,
65.8833

■ 38.9357, 22.3573,
52.0826


■ 59.1282, 59.3201,
69.3635


■ 37.4740, 19.9651,
49.9574


■ 64.7189, 69.8915,
73.1076


■ 36.4389, 18.4152,
48.0083

■ 71.0221, 81.8764,
77.1247


 35.7658, 17.5784,
46.2136

 75.7209, 90.6409,
80.6426

 35.5656, 17.3628,
45.5772

 76.1238, 90.8021,
82.7644

 76.5341, 90.9662,
84.9246

 76.9516, 91.1332,
87.1234

Harmonies

Analogous

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



40.8399, 35.5420, 79.9416



46.3580, 35.5420, 59.6753



48.4094, 35.5420, 38.1708

Triad

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



46.3580, 35.5420, 59.6753



33.5966, 35.5420, 12.2471



23.8609, 35.5420, 60.9109

Complementary

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



46.3580, 35.5420, 59.6753



38.7250, 54.3144, 35.6390

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.



22.4443, 35.5420, 39.2324



46.3580, 35.5420, 59.6753



27.5874, 35.5420, 14.8347

Square

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



46.3580, 35.5420, 59.6753



40.4767, 35.5420, 14.5564



23.7142, 35.5420, 23.3237



27.8688, 35.5420, 80.8056

Rectangle

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



46.3580, 35.5420, 59.6753



47.3469, 35.5420, 26.9847



23.7142, 35.5420, 23.3237



23.0916, 35.5420, 53.3912

Sweetspot

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



46.3591, 35.5436, 59.6760



86.1068, 83.1354, 102.7690



32.2733, 28.1272, 66.0164



18.2134, 17.3871, 21.8423



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.



46.3591, 35.5436, 59.6760



66.6080, 47.0751, 87.2138



42.4485, 33.9794, 39.0831



12.8732, 12.6008, 15.2724



21.9846, 10.7301, 28.2865



1.3474, 0.6557, 1.8187

Inverse Universe

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



46.3591, 35.5436, 59.6760



66.6080, 47.0751, 87.2138



42.1638, 55.6900, 53.7477



12.8732, 12.6008, 15.2724



21.9846, 10.7301, 28.2865



1.3474, 0.6557, 1.8187

Previews

White Background



This preview shows how the XYZ color 46.3580, 35.5420, 59.6753 looks on a white background.

Color Contrast Check

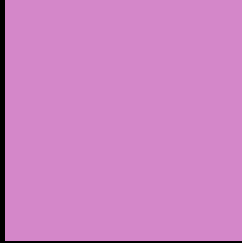
Large Text (above 18pt) WCAG AA × Fail

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 46.3580, 35.5420, 59.6753 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

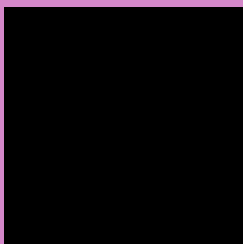
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.3580, 35.5420, 59.6753

Background



This preview shows how black text looks on a background with the XYZ color 46.3580, 35.5420, 59.6753.



This preview shows how white text looks on a background with the XYZ color 46.3580, 35.5420,

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

46.3580, 35.5420, 59.6753

Protanopia

36.6859, 35.8400, 72.0021

Deuteranopia

36.6030, 35.8559, 57.8150



Tritanopia

41.3433, 35.4349, 35.6709

Trichromacy



Original Color

46.3580, 35.5420, 59.6753



Protanomaly

39.1522, 35.0012, 66.9797



Deuteranomaly

39.4595, 35.3549, 58.1705



Tritanomaly

42.9837, 35.4382, 43.6045

Monochromacy



Original Color

46.3580, 35.5420, 59.6753



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

39.3865, 36.7646, 47.6682

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3580, 35.5420, 59.6753 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(212, 135, 201)` looks like.

```
.text, #text, p{  
    color:rgb(212, 135, 201)  
}
```

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(212, 135, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 135, 201) }
```

Border

The CSS property to change the border of an element to XYZ 46.3580, 35.5420, 59.6753 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(212, 135, 201) }
```


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

```
.border{ border-color:rgb(212, 135, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 135, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 135, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 135, 201);  
box-shadow:4px 4px 4px 4px rgb(212, 135,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3580, 35.5420, 59.6753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 135, 201) }
```

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

```
.background{ background-color: rgb(212,  
135, 201) }
```

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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