

Converting Colors

XYZ(42.5481, 32.9878, 37.1102)

Have a look what the booklet for
XYZ(42.5481, 32.9878, 37.1102)
contains.

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Color

**XYZ(42.5595, 33.0674,
36.9404)**

Conversions

Conversions Part 1

Format	Color
Hex	D8829F
RGB	216, 130, 159
RGB Percent	85%, 51%, 62%
CMY	0.1529, 0.4902, 0.3765
CMYK	0.00, 0.40, 0.26, 0.15
HSL	340°, 52%, 68%
HSV	340°, 40%, 85%
XYZ	42.5595, 33.0674, 36.9404
YIQ	159.0200, 41.9470, 27.2510

Conversions

Conversions Part 2

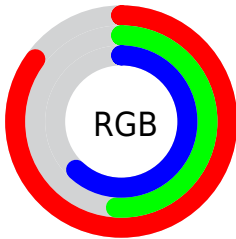
Format	Color
R _Y B	216, 130, 159
Decimal	14189215
CIE Lab	64.22, 36.77, -1.19
CIE LCh	64, 36.785, 358.150
Yxy	33.0674, 0.3781, 0.2938
Android (android.graphics.Color)	4292379295 (0xFFD8829F)
YUV	159.0200, -0.0099, 49.9715
Hunter-Lab	57.5043, 31.4772, 2.1654

Details

The XYZ color **42.5595, 33.0674, 36.9404** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **42.7329, 57.4462, 55.8525**, and the grayscale version is **32.9513, 34.6673, 37.7527**.

A 20% lighter version of the original color is **70.5181, 60.3960, 71.5592**, and **19.8008, 14.0456, 15.8548** is the 20% darker color. If you saturate the color by 10%, you get **38.8109, 27.4445, 29.9122**, and if you desaturate by 10%, it is **47.0569, 39.9571, 44.9290**.

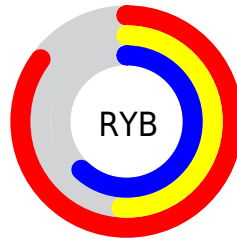
Distribution



Red (85%)

Green (51%)

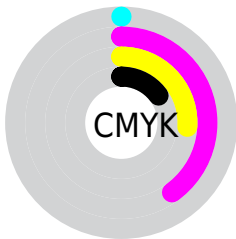
Blue (62%)



Red (85%)

Yellow (51%)

Blue (62%)

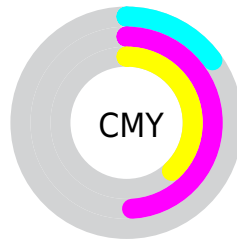


Cyan (0%)

Magenta (40%)

Yellow (26%)

Black (15%)



Cyan (15%)


Magenta (49%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.5595, 33.0674, 36.9404 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 42.5595, 33.0674, 36.9404 by changing the saturation by 10% instead.


 42.5595, 33.0674,
36.9404


 42.5595, 33.0674,
36.9404


347.7494,
315.9533, 348.2133


 29.7327, 22.1781,
24.8659


 78.3056, 64.4807,
71.6664

 19.7828, 13.9878,
15.7591

 101.9555, 85.7736,
95.1550

 12.3446, 8.1122,
9.2013


 129.9439,
111.3030, 123.2854

 7.0527, 4.1668,
4.7741

162.6360,
141.4535, 156.4762

 3.5417, 1.7673,
2.0589

200.3973,
176.6093, 195.1458

 1.4463, 0.4667,
0.5912

243.5930,

 0.2888, 0.0000,

217.1550, 239.7128

0.0000

292.5886,
263.4749, 290.5958

■ 0.0000, 0.0000,
0.0000

■ 42.5595, 33.0674,
36.9404

■ 42.5595, 33.0674,
36.9404

■ 38.8109, 27.4445,
29.9122

■ 47.0569, 39.9571,
44.9290

■ 35.7654, 23.0055,
23.8039

■ 52.3398, 48.1802,
53.9120

■ 33.3764, 19.6653,
18.5748

■ 58.4456, 57.8042,
63.9242

■ 31.5900, 17.3251,
14.1801

■ 65.4084, 68.8907,
74.9981

■ 30.3433, 15.8679,
10.5697

■ 73.2606, 81.4976,
87.1645

■ 29.5292, 15.0901,
7.6768

■ 80.5456, 92.7056,
99.9575

■ 29.5159, 15.0777,
7.6284

■ 82.1289, 93.3389,
108.2953

Harmonies

Analogous

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



40.7436, 33.0674, 53.3924



42.5595, 33.0674, 36.9404



41.1300, 33.0674, 24.0808

Triad

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



42.5595, 33.0674, 36.9404



26.9306, 33.0674, 16.1501



26.4277, 33.0674, 66.3363

Complementary

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



42.5595, 33.0674, 36.9404



42.7329, 57.4462, 55.8525

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.



23.3886, 33.0674, 51.3302



42.5595, 33.0674, 36.9404



23.6556, 33.0674, 22.8728

Square

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



42.5595, 33.0674, 36.9404



31.7546, 33.0674, 14.2477



22.4318, 33.0674, 35.0851



31.1068, 33.0674, 73.0281

Rectangle

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



42.5595, 33.0674, 36.9404



38.6086, 33.0674, 18.5647



22.4318, 33.0674, 35.0851



25.2007, 33.0674, 61.9243

Sweetspot

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



42.5604, 33.0690, 36.9411



82.9579, 80.7684, 89.6010



40.6040, 31.3515, 68.8772



17.4984, 16.8802, 18.7580



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.



42.5604, 33.0690, 36.9411



57.2002, 40.9767, 44.8725



42.1568, 35.8272, 25.8146



12.5943, 12.4892, 13.8037



17.5157, 8.9426, 4.7536



1.0945, 0.5546, 0.4871

Inverse Universe

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



42.5604, 33.0690, 36.9411



57.2002, 40.9767, 44.8725



42.9813, 52.4637, 72.8270



12.5943, 12.4892, 13.8037



17.5157, 8.9426, 4.7536



1.0945, 0.5546, 0.4871

Previews

White Background



This preview shows how the XYZ color 42.5595, 33.0674, 36.9404 looks on a white background.

Color Contrast Check

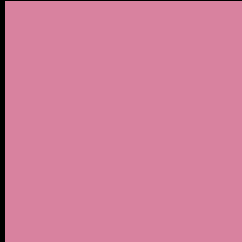
Large Text (above 18pt) WCAG AA × Fail

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 42.5595, 33.0674, 36.9404 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

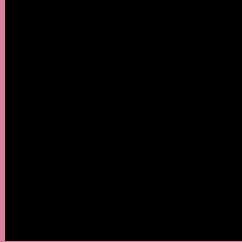
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.5595, 33.0674, 36.9404

Background



This preview shows how black text looks on a background with the XYZ color 42.5595, 33.0674, 36.9404.



This preview shows how white text looks on a background with the XYZ color 42.5595, 33.0674,

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

42.5595, 33.0674, 36.9404

Protanopia

32.6878, 33.3687, 44.7624

Deuteranopia

33.7776, 33.1577, 35.6302



Tritanopia

41.0770, 33.0544, 30.2017

Trichromacy



Original Color

42.5595, 33.0674, 36.9404

Protanomaly

35.5718, 32.7695, 41.9864

Deuteranomaly

36.3167, 32.6100, 35.8328

Tritanomaly

41.7004, 33.1195, 32.6286

Monochromacy



Original Color

42.5595, 33.0674, 36.9404

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

35.6703, 33.3863, 37.3651

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5595, 33.0674, 36.9404 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(216, 130, 159)` looks like.

```
.text, #text, p{  
    color:rgb(216, 130, 159)  
}
```

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(216, 130, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 130, 159) }
```

Border

The CSS property to change the border of an element to XYZ 42.5595, 33.0674, 36.9404 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(216, 130, 159) }
```


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

```
.border{ border-color:rgb(216, 130, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 130, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 130, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 130, 159);  
box-shadow:4px 4px 4px 4px rgb(216, 130,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5595, 33.0674, 36.9404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 130, 159) }
```

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

```
.background{ background-color: rgb(216,  
130, 159) }
```

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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