

Converting Colors

XYZ(46.0998, 32.5053, 61.2184)

Have a look what the booklet for
XYZ(46.0998, 32.5053, 61.2184)
contains.

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Color

**XYZ(45.9345, 32.3915,
60.9579)**

Conversions

Conversions Part 1

Format	Color
Hex	D878CC
RGB	216, 120, 204
RGB Percent	85%, 47%, 80%
CMY	0.1529, 0.5294, 0.2000
CMYK	0.00, 0.44, 0.06, 0.15
HSL	308°, 55%, 66%
HSV	308°, 44%, 85%
XYZ	45.9345, 32.3915, 60.9579
YIQ	158.2800, 30.2520, 46.4760

Conversions

Conversions Part 2

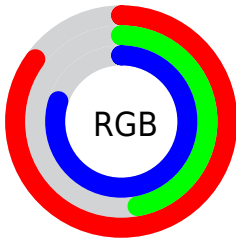
Format	Color
R_{YB}	216, 120, 204
Decimal	14186700
CIE _{Lab}	63.67, 48.99, -27.48
CIE _{LCh}	64, 56.175, 330.709
Yxy	32.3915, 0.3298, 0.2326
Android (android.graphics.Color)	4292376780 (0xFFD878CC)
YUV	158.2800, 22.5400, 50.6204
Hunter-Lab	56.9135, 44.4674, -23.6638

Details

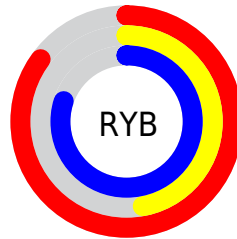
The XYZ color **45.9345, 32.3915, 60.9579** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **36.4679, 54.7720, 30.4819**, and the grayscale version is **32.5187, 34.2122, 37.2571**.

A 20% lighter version of the original color is **74.6200, 59.1399, 102.0900**, and **21.8103, 13.5872, 30.3272** is the 20% darker color. If you saturate the color by 10%, you get **43.3030, 27.6417, 58.4969**, and if you desaturate by 10%, it is **49.1596, 38.3183, 63.6451**.

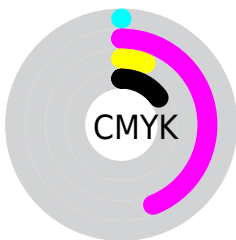
Distribution



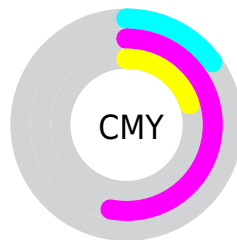
- Red (85%)
- Green (47%)
- Blue (80%)



- Red (85%)
- Yellow (47%)
- Blue (80%)



- Cyan (0%)
- Magenta (44%)
- Yellow (6%)
- Black (15%)





- Cyan (15%)
- Magenta (53%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9345, 32.3915, 60.9579 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 45.9345, 32.3915, 60.9579 by changing the saturation by 10% instead.


 45.9345, 32.3915,
60.9579


 45.9345, 32.3915,
60.9579

361.2656,
312.8988, 446.0219


 32.3985, 21.6607,
43.7609


 83.3494, 63.4243,
107.7749

 21.8231, 13.6078,
30.1467


 107.9591, 84.4952,
138.2320

 13.8429, 7.8484,
19.6970


 136.9907,
109.7815, 173.9461

 8.0924, 3.9981,
11.9931

170.8097,
139.6676, 215.3358

 4.2064, 1.6725,
6.6165

209.7813,
174.5381, 262.8198

 1.8196, 0.4058,
3.1487

254.2709,

 0.5294, 0.0000,

214.7771, 316.8164

1.1710

304.6439,
260.7693, 377.7443

■ 0.0000, 0.0000,
0.0000

■ 45.9345, 32.3915,
60.9579

■ 45.9345, 32.3915,
60.9579

■ 43.3030, 27.6417,
58.4969

■ 49.1596, 38.3183,
63.6451

■ 41.2220, 23.9846,
56.2466

■ 53.0114, 45.4899,
66.5688

■ 39.6476, 21.3320,
54.1926

■ 57.5241, 53.9743,
69.7408

■ 38.5280, 19.5799,
52.3175

■ 62.7287, 63.8334,
73.1715

■ 37.7998, 18.6018,
50.6000

■ 68.6541, 75.1251,
76.8707

■ 37.5045, 18.2732,
49.6937

■ 75.3277, 87.9037,
80.8477

■ 77.3855, 91.4416,
83.3146

■ 77.7523, 91.5883,
85.2465

■ 78.1250, 91.7374,
87.2091

Harmonies

Analogous

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



39.1660, 32.3915, 87.0885



45.9345, 32.3915, 60.9579



48.5017, 32.3915, 34.7357

Triad

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



45.9345, 32.3915, 60.9579



30.6004, 32.3915, 7.2823



19.5380, 32.3915, 62.3043

Complementary

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



45.9345, 32.3915, 60.9579



36.4679, 54.7720, 30.4819

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.



18.0154, 32.3915, 35.8074



45.9345, 32.3915, 60.9579



23.6976, 32.3915, 9.6132

Square

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



45.9345, 32.3915, 60.9579



38.7867, 32.3915, 9.3897



19.4001, 32.3915, 18.0517



23.9708, 32.3915, 88.0711

Rectangle

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



45.9345, 32.3915, 60.9579



47.1934, 32.3915, 22.0728



19.4001, 32.3915, 18.0517



18.7063, 32.3915, 52.8911

Sweetspot

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



45.9356, 32.3930, 60.9586



84.7113, 80.3789, 102.1976



28.5037, 23.2338, 67.9489



17.7936, 16.5662, 21.6450



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.



45.9356, 32.3930, 60.9586



63.3864, 40.8361, 85.5108



41.1054, 30.4609, 35.5235



12.8831, 12.6047, 15.3246



22.2261, 10.8268, 29.5583



1.3597, 0.6607, 1.8837

Inverse Universe

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



45.9356, 32.3930, 60.9586



63.3864, 40.8361, 85.5108



40.4599, 56.3688, 51.5032



12.8831, 12.6047, 15.3246



22.2261, 10.8268, 29.5583



1.3597, 0.6607, 1.8837

Previews

White Background



This preview shows how the XYZ color 45.9345, 32.3915, 60.9579 looks on a white background.

Color Contrast Check

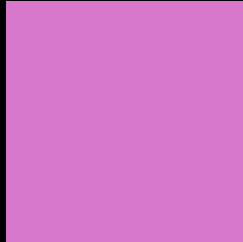
Large Text (above 18pt) WCAG AA × Fail

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 45.9345, 32.3915, 60.9579 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

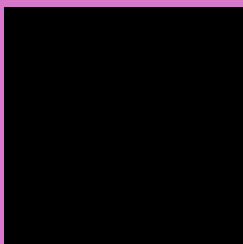
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.9345, 32.3915, 60.9579

Background



This preview shows how black text looks on a background with the XYZ color 45.9345, 32.3915, 60.9579.



This preview shows how white text looks on a background with the XYZ color 45.9345, 32.3915,

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

45.9345, 32.3915, 60.9579

Protanopia

34.4244, 32.7807, 78.6417

Deuteranopia

33.2753, 32.6447, 57.9733



Tritanopia

39.6399, 32.3135, 30.1345

Trichromacy



Original Color

45.9345, 32.3915, 60.9579

Protanomaly

36.9943, 31.5005, 71.8405

Deuteranomaly

36.5980, 31.5842, 58.8110

Tritanomaly

41.6621, 32.1520, 39.6074

Monochromacy



Original Color

45.9345, 32.3915, 60.9579

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

36.3015, 32.6254, 44.9415

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9345, 32.3915, 60.9579 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, 120, 204)` looks like.

```
.text, #text, p{  
    color:rgb(216, 120, 204)  
}
```

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, 120, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 120, 204) }
```

Border

The CSS property to change the border of an element to XYZ 45.9345, 32.3915, 60.9579 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, 120, 204) }
```


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

```
.border{ border-color:rgb(216, 120, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 120, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 120, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 120, 204);  
box-shadow:4px 4px 4px 4px rgb(216, 120,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9345, 32.3915, 60.9579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 120, 204) }
```

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

```
.background{ background-color: rgb(216,  
120, 204) }
```

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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