

Converting Colors

XYZ(46.8406, 38.3578, 63.5062)

Have a look what the booklet for
XYZ(46.8406, 38.3578, 63.5062)
contains.

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Color

**XYZ(46.7511, 38.3028,
63.3216)**

Conversions

Conversions Part 1

Format	Color
Hex	CD93CE
RGB	205, 147, 206
RGB Percent	80%, 58%, 81%
CMY	0.1961, 0.4235, 0.1922
CMYK	0.00, 0.29, 0.00, 0.19
HSL	299°, 38%, 69%
HSV	299°, 29%, 81%
XYZ	46.7511, 38.3028, 63.3216
YIQ	171.0680, 15.6290, 30.6450

Conversions

Conversions Part 2

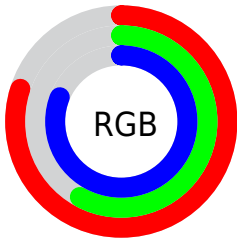
Format	Color
R _Y B	205, 147, 206
Decimal	13472718
CIE Lab	68.24, 31.57, -21.69
CIE LCh	68, 38.306, 325.506
Yxy	38.3028, 0.3151, 0.2581
Android (android.graphics.Color)	4291662798 (0xFFCD93CE)
YUV	171.0680, 17.2215, 29.7584
Hunter-Lab	61.8893, 26.5326, -17.3397

Details

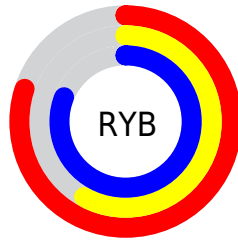
The XYZ color **46.7511, 38.3028, 63.3216** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **39.5518, 52.5460, 35.6635**, and the grayscale version is **38.6546, 40.6676, 44.2871**.

A 20% lighter version of the original color is **80.4105, 70.7211, 104.0202**, and **22.3374, 16.9354, 31.7973** is the 20% darker color. If you saturate the color by 10%, you get **43.7344, 32.4114, 62.3440**, and if you desaturate by 10%, it is **50.3440, 45.3448, 64.4920**.

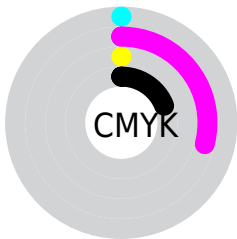
Distribution



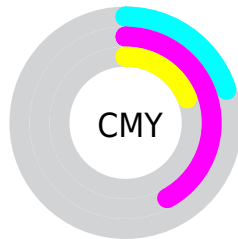
- Red (80%)
- Green (58%)
- Blue (81%)



- Red (80%)
- Yellow (58%)
- Blue (81%)



- Cyan (0%)
- Magenta (29%)
- Yellow (0%)
- Black (19%)





- Cyan (20%)
- Magenta (42%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.7511, 38.3028, 63.3216 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 46.7511, 38.3028, 63.3216 by changing the saturation by 10% instead.


 46.7511, 38.3028,
63.3216

 46.7511, 38.3028,
63.3216


364.4857,
338.9171, 454.8757

 33.0461, 26.2178,
45.6588


 84.5630, 72.5720,
111.2234

 22.3211, 16.9866,
31.6299

 109.4005, 95.5250,
142.2994

 14.2110, 10.2250,
20.8165


138.6796,
122.8694, 178.6836

 8.3502, 5.5484,
12.8000

172.7656,
154.9897, 220.7945

 4.3735, 2.5725,
7.1619

212.0238,
192.2702, 269.0506

 1.9156, 0.9128,
3.4836

256.8197,

 0.5859, 0.0000,

235.0954, 323.8705

1.3465

307.5185,
283.8495, 385.6727

■ 0.0000, 0.0000,
0.0995

■ 0.0000, 0.0000,
0.0000

■ 46.7511, 38.3028,
63.3216

■ 46.7511, 38.3028,
63.3216

■ 43.7344, 32.4114,
62.3440

■ 50.3440, 45.3448,
64.4920

■ 41.2596, 27.6044,
61.5466

■ 54.5379, 53.5891,
65.8623

■ 39.2946, 23.8164,
60.9190

■ 59.3603, 63.0903,
67.4420

■ 37.8021, 20.9732,
60.4489

■ 64.8362, 73.8980,
69.2395

36.7399, 18.9905,
60.1221

70.9892, 86.0595,
71.2627

36.0585, 17.7687,
59.9222

72.6595, 89.2554,
71.7915

35.6795, 17.1517,
59.8231

72.7571, 89.3058,
71.7961

35.6362, 17.0842,
59.8124

72.8550, 89.3562,
71.8006

72.9532, 89.4068,
71.8052

Harmonies

Analogous

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



41.5957, 38.3028, 79.1370



46.7511, 38.3028, 63.3216



49.1420, 38.3028, 44.3443

Triad

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



46.7511, 38.3028, 63.3216



37.3158, 38.3028, 16.7008



26.9657, 38.3028, 57.5887

Complementary

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



46.7511, 38.3028, 63.3216



39.5518, 52.5460, 35.6635

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.



26.0852, 38.3028, 39.1730



46.7511, 38.3028, 63.3216



31.6663, 38.3028, 18.4506

Square

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



46.7511, 38.3028, 63.3216



43.3280, 38.3028, 19.9927



27.7115, 38.3028, 25.6707



30.2629, 38.3028, 75.2403

Rectangle

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



46.7511, 38.3028, 63.3216



48.6746, 38.3028, 33.4911



27.7115, 38.3028, 25.6707



26.3939, 38.3028, 51.1633

Sweetspot

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



46.7523, 38.3045, 63.3224



88.0178, 86.1477, 106.5969



33.9170, 32.1455, 62.8101



18.6132, 17.9941, 22.7421



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.



46.7523, 38.3045, 63.3224



72.8097, 56.3186, 101.6408



43.9714, 37.2241, 47.2344



11.6680, 11.3937, 14.1546



21.9524, 10.5244, 36.8307



1.1386, 0.5461, 1.9003

Inverse Universe

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



41.2339, 36.1291, 32.8191



62.5319, 52.2697, 44.7090



41.7973, 53.4234, 48.4278



11.2199, 11.2167, 11.6927



15.6889, 8.0862, 0.8145



0.8121, 0.4183, 0.0565

Previews

White Background



This preview shows how the XYZ color 46.7511, 38.3028, 63.3216 looks on a white background.

Color Contrast Check

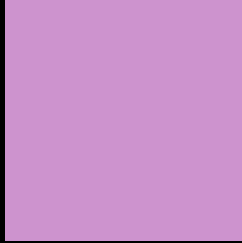
Large Text (above 18pt) WCAG AA × Fail

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 46.7511, 38.3028, 63.3216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

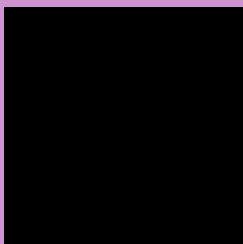
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.7511, 38.3028, 63.3216

Background



This preview shows how black text looks on a background with the XYZ color 46.7511, 38.3028, 63.3216.



This preview shows how white text looks on a background with the XYZ color 46.7511, 38.3028,

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

46.7511, 38.3028, 63.3216

Protanopia

39.1902, 38.7001, 72.4222

Deuteranopia

39.3937, 38.5055, 61.8559



Tritanopia

42.5158, 38.5121, 41.7520

Trichromacy



Original Color

46.7511, 38.3028, 63.3216



Protanomaly

41.1590, 37.9667, 68.7773



Deuteranomaly

41.7784, 38.1769, 62.2937



Tritanomaly

43.9258, 38.3492, 48.8031

Monochromacy



Original Color

46.7511, 38.3028, 63.3216



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

41.1005, 39.3686, 50.7801

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7511, 38.3028, 63.3216 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(205, 147, 206)` looks like.

```
.text, #text, p{  
    color:rgb(205, 147, 206)  
}
```

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(205, 147, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 147, 206) }
```

Border

The CSS property to change the border of an element to XYZ 46.7511, 38.3028, 63.3216 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(205, 147, 206) }
```


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

```
.border{ border-color:rgb(205, 147, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 147, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 147, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 147, 206);  
box-shadow:4px 4px 4px 4px rgb(205, 147,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7511, 38.3028, 63.3216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 147, 206) }
```

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

```
.background{ background-color: rgb(205,  
147, 206) }
```

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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