

Converting Colors

XYZ(42.8130, 32.4491, 58.4555)

Have a look what the booklet for
XYZ(42.8130, 32.4491, 58.4555)
contains.

XYZ(42.9042, 32.5672, 58.6684)	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(42.9042, 32.5672,
58.6684)**

Conversions

Conversions Part 1

Format	Color
Hex	CB81C8
RGB	203, 129, 200
RGB Percent	80%, 51%, 78%
CMY	0.2039, 0.4941, 0.2157
CMYK	0.00, 0.36, 0.01, 0.20
HSL	302°, 42%, 65%
HSV	302°, 36%, 80%
XYZ	42.9042, 32.5672, 58.6684
YIQ	159.2200, 21.3130, 37.7690

Conversions

Conversions Part 2

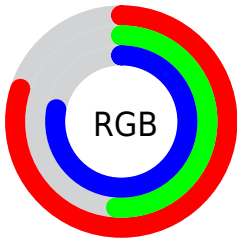
Format	Color
RYB	203, 129, 200
Decimal	13337032
CIELab	63.81, 39.55, -25.14
CIELCh	64, 46.864, 327.551
Yxy	32.5672, 0.3198, 0.2428
Android (android.graphics.Color)	4291527112 (0xFFCB81C8)
YUV	159.2200, 20.1045, 38.3951
Hunter-Lab	57.0677, 34.3301, -21.0057

Details

The XYZ color **42.9042, 32.5672, 58.6684** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **34.5754, 49.0460, 29.4762**, and the grayscale version is **32.9603, 34.6768, 37.7631**.

A 20% lighter version of the original color is **76.2235, 62.3470, 102.6245**, and **19.9453, 13.7271, 28.7925** is the 20% darker color. If you saturate the color by 10%, you get **40.3956, 27.7028, 57.3591**, and if you desaturate by 10%, it is **45.9466, 38.4970, 60.1588**.

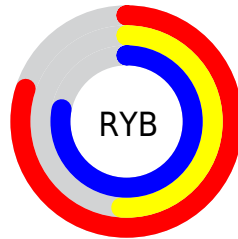
Distribution



Red (80%)

Green (51%)

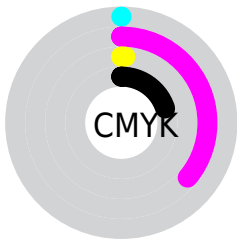
Blue (78%)



Red (80%)

Yellow (51%)

Blue (78%)

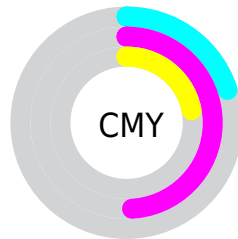


Cyan (0%)

Magenta (36%)

Yellow (1%)

Black (20%)



Cyan (20%)


Magenta (49%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.9042, 32.5672, 58.6684 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 42.9042, 32.5672, 58.6684 by changing the saturation by 10% instead.


 42.9042, 32.5672,
58.6684


 42.9042, 32.5672,
58.6684

349.1458,
313.6950, 437.3396


 30.0042, 21.7951,
41.9280


 78.8229, 63.6992,
104.4199

 19.9898, 13.7064,
28.7198


 102.5722, 84.8279,
134.2681

 12.4959, 7.9168,
18.6252


 130.6687,
110.1777, 169.3227

 7.1569, 4.0417,
11.2257

163.4777,
140.1328, 210.0021

 3.6076, 1.6969,
6.1028

201.3646,
175.0777, 256.7250

 1.4826, 0.4217,
2.8379

244.6947,

 0.3140, 0.0000,

215.3967, 309.9098

1.0125

293.8333,
261.4744, 369.9752

■ 0.0000, 0.0000,
0.0000

■ 42.9042, 32.5672,
58.6684

■ 42.9042, 32.5672,
58.6684

■ 40.3956, 27.7028,
57.3591

■ 45.9466, 38.4970,
60.1588

■ 38.3860, 23.8363,
56.2184

■ 49.5487, 45.5459,
61.8380

■ 36.8414, 20.8992,
55.2353


■ 53.7383, 53.7691,
63.7156


■ 35.7225, 18.8125,
54.3966


■ 58.5408, 63.2171,
65.8001


■ 34.9833, 17.4842,
53.6870


■ 63.9797, 73.9373,
68.0993


 34.5645, 16.7960,
53.0867

 70.0776, 85.9745,
70.6207

 34.4533, 16.6264,
52.8868

 71.5007, 88.6614,
71.5864

 71.6008, 88.7014,
72.1137

 71.7015, 88.7417,
72.6438

Harmonies

Analogous

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



37.1822, 32.5672, 78.2584



42.9042, 32.5672, 58.6684



45.3918, 32.5672, 37.0307

Triad

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



42.9042, 32.5672, 58.6684



31.4978, 32.5672, 10.1822



21.0381, 32.5672, 54.9973

Complementary

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



42.9042, 32.5672, 58.6684



34.5754, 49.0460, 29.4762

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.



19.9571, 32.5672, 33.9346



42.9042, 32.5672, 58.6684



25.4636, 32.5672, 12.0611

Square

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



42.9042, 32.5672, 58.6684



38.2501, 32.5672, 12.8312



21.4587, 32.5672, 19.3565



24.6505, 32.5672, 75.6637

Rectangle

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



42.9042, 32.5672, 58.6684



44.6506, 32.5672, 25.6180



21.4587, 32.5672, 19.3565



20.3911, 32.5672, 47.5466

Sweetspot

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



42.9053, 32.5686, 58.6691



86.5628, 83.3178, 105.1702



28.0638, 24.8767, 59.8232



18.3229, 17.4309, 22.4187



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.



42.9053, 32.5686, 58.6691



68.3585, 47.7753, 96.4319



39.1389, 31.0621, 38.8356



11.6671, 11.3956, 14.0477



21.9341, 10.5842, 33.7010



1.1378, 0.5485, 1.7715

Inverse Universe

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



42.9053, 32.5686, 58.6691



68.3585, 47.7753, 96.4319



37.5219, 50.2246, 44.9923



11.6671, 11.3956, 14.0477



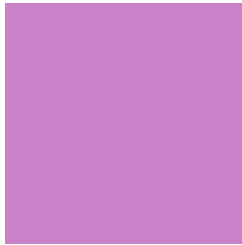
21.9341, 10.5842, 33.7010



1.1378, 0.5485, 1.7715

Previews

White Background



This preview shows how the XYZ color 42.9042, 32.5672, 58.6684 looks on a white background.

Color Contrast Check

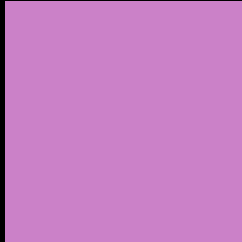
Large Text (above 18pt) WCAG AA × Fail

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 42.9042, 32.5672, 58.6684 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

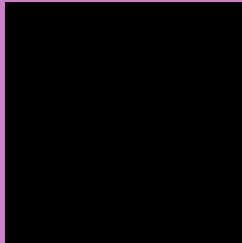
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.9042, 32.5672, 58.6684

Background



This preview shows how black text looks on a background with the XYZ color 42.9042, 32.5672, 58.6684.



This preview shows how white text looks on a background with the XYZ color 42.9042, 32.5672,

58.6684.

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

42.9042, 32.5672, 58.6684

Protanopia

34.0378, 32.9953, 70.9044

Deuteranopia

33.5865, 32.8316, 56.7915



Tritanopia

37.7636, 32.5376, 33.1442

Trichromacy



Original Color

42.9042, 32.5672, 58.6684



Protanomaly

36.2283, 32.1232, 65.9190



Deuteranomaly

36.4135, 32.4128, 57.1604



Tritanomaly

39.2850, 32.2972, 41.2092

Monochromacy



Original Color

42.9042, 32.5672, 58.6684



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

35.9091, 33.3498, 44.5889

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9042, 32.5672, 58.6684 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(203, 129, 200)` looks like.

```
.text, #text, p{  
    color:rgb(203, 129, 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(203, 129, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 129, 200) }
```

Border

The CSS property to change the border of an element to XYZ 42.9042, 32.5672, 58.6684 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(203, 129, 200) }
```


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

```
.border{ border-color:rgb(203, 129, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 129, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 129, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 129, 200);  
box-shadow:4px 4px 4px 4px rgb(203, 129,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9042, 32.5672, 58.6684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 129, 200) }
```

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

```
.background{ background-color: rgb(203,  
129, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor