

Converting Colors

XYZ(42.4200, 34.5565, 56.3939)

Have a look what the booklet for
XYZ(42.4200, 34.5565, 56.3939)
contains.

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Color

**XYZ(42.6306, 34.7475,
56.6846)**

Conversions

Conversions Part 1

Format	Color
Hex	C68CC4
RGB	198, 140, 196
RGB Percent	78%, 55%, 77%
CMY	0.2235, 0.4510, 0.2314
CMYK	0.00, 0.29, 0.01, 0.22
HSL	302°, 34%, 66%
HSV	302°, 29%, 78%
XYZ	42.6306, 34.7475, 56.6846
YIQ	163.7260, 16.5920, 29.7120

Conversions

Conversions Part 2

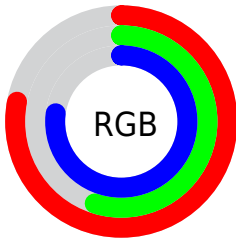
Format	Color
RYB	198, 140, 196
Decimal	13012164
CIELab	65.55, 31.22, -20.28
CIELCh	66, 37.230, 326.986
Yxy	34.7475, 0.3180, 0.2592
Android (android.graphics.Color)	4291202244 (0xFFC68CC4)
YUV	163.7260, 15.9111, 30.0583
Hunter-Lab	58.9470, 25.9343, -15.7515

Details

The XYZ color **42.6306, 34.7475, 56.6846** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **35.8932, 47.9177, 32.9505**, and the grayscale version is **35.0787, 36.9055, 40.1901**.

A 20% lighter version of the original color is **78.2614, 66.9354, 101.7235**, and **19.7826, 14.9374, 27.4317** is the 20% darker color. If you saturate the color by 10%, you get **39.9164, 29.4427, 55.3976**, and if you desaturate by 10%, it is **45.8678, 41.0967, 58.1485**.

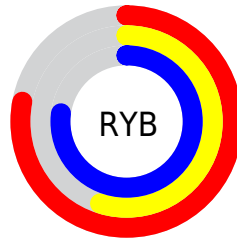
Distribution



Red (78%)

Green (55%)

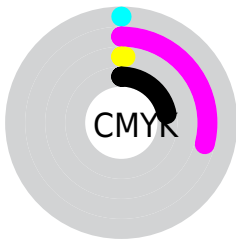
Blue (77%)



Red (78%)

Yellow (55%)

Blue (77%)

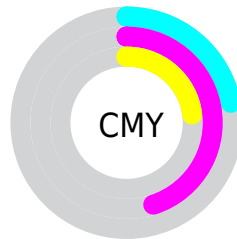


Cyan (0%)

Magenta (29%)

Yellow (1%)

Black (22%)



Cyan (22%)


Magenta (45%)


Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.6306, 34.7475, 56.6846 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 42.6306, 34.7475, 56.6846 by changing the saturation by 10% instead.

 42.6306, 34.7475,
56.6846

 42.6306, 34.7475,
56.6846

348.0377,
323.4524, 429.7270


 29.7886, 23.4684,
40.3444

 78.4123, 67.0944,
101.5006

 19.8255, 14.9398,
27.4913


 102.0828, 88.9311,
130.8135

 12.3758, 8.7771,
17.7069


 130.0935,
115.0557, 165.2876

 7.0742, 4.5961,
10.5725

162.8098,
145.8527, 205.3417

 3.5553, 2.0123,
5.6696

200.5970,
181.7065, 251.3941

 1.4537, 0.6146,
2.5797

243.8205,

 0.2940, 0.0000,

223.0014, 303.8634

0.8820

292.8456,
270.1219, 363.1682

■ 0.0000, 0.0000,
0.0000

■ 42.6306, 34.7475,
56.6846

■ 42.6306, 34.7475,
56.6846

■ 39.9164, 29.4427,
55.3976

■ 45.8678, 41.0967,
58.1485

■ 37.6942, 25.1217,
54.2759

■ 49.6508, 48.5372,
59.7956

■ 35.9343, 21.7250,
53.3101

■ 54.0045, 57.1189,
61.6348

■ 34.6030, 19.1848,
52.4889

■ 58.9519, 66.8872,
63.6736

■ 33.6616, 17.4239,
51.7993

■ 64.5142, 77.8849,
65.9191

■ 33.0647, 16.3513,
51.2264

■ 69.4859, 87.7007,
67.9696

■ 32.7325, 15.8077,
50.7434

■ 69.5659, 87.7327,
68.3912

■ 32.7119, 15.7751,
50.7102

■ 69.6464, 87.7649,
68.8147

■ 69.7271, 87.7972,
69.2401

Harmonies

Analogous

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



38.0208, 34.7475, 71.4317



42.6306, 34.7475, 56.6846



44.6533, 34.7475, 39.4365

Triad

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



42.6306, 34.7475, 56.6846



33.5813, 34.7475, 15.0583



24.5300, 34.7475, 53.1758

Complementary

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



42.6306, 34.7475, 56.6846



35.8932, 47.9177, 32.9505

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.



23.6164, 34.7475, 36.2758



42.6306, 34.7475, 56.6846



28.4898, 34.7475, 16.8749

Square

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



42.6306, 34.7475, 56.6846



39.0803, 34.7475, 17.8143



24.9853, 34.7475, 23.7082



27.6325, 34.7475, 69.0448

Rectangle

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



42.6306, 34.7475, 56.6846



44.1135, 34.7475, 29.7160



24.9853, 34.7475, 23.7082



23.9726, 34.7475, 47.3106

Sweetspot

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



42.6317, 34.7490, 56.6853



88.0335, 86.1705, 105.9337



30.7166, 28.5801, 57.3244



18.6171, 17.9998, 22.5773



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.



42.6317, 34.7490, 56.6853



72.3891, 55.4649, 98.9208



39.6493, 33.5561, 40.9802



11.0667, 10.8101, 13.3345



21.2799, 10.2615, 33.0136



1.0127, 0.4879, 1.5899

Inverse Universe

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



42.6317, 34.7490, 56.6853



72.3891, 55.4649, 98.9208



38.3550, 48.9024, 45.9138



11.0667, 10.8101, 13.3345



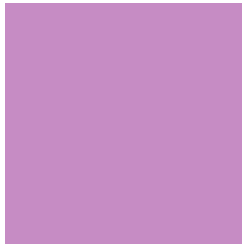
21.2799, 10.2615, 33.0136



1.0127, 0.4879, 1.5899

Previews

White Background



This preview shows how the XYZ color 42.6306, 34.7475, 56.6846 looks on a white background.

Color Contrast Check

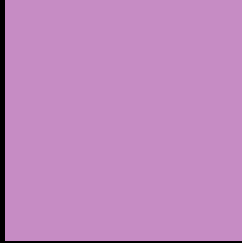
Large Text (above 18pt) WCAG AA × Fail

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 42.6306, 34.7475, 56.6846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

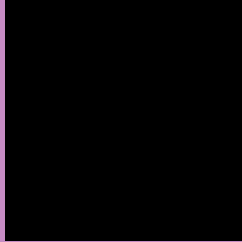
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.6306, 34.7475, 56.6846

Background



This preview shows how black text looks on a background with the XYZ color 42.6306, 34.7475, 56.6846.



This preview shows how white text looks on a background with the XYZ color 42.6306, 34.7475,

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

42.6306, 34.7475, 56.6846

Protanopia

35.5895, 35.1682, 65.2340

Deuteranopia

35.6147, 34.8963, 55.3106



Tritanopia

38.6840, 34.7081, 37.4614

Trichromacy



Original Color

42.6306, 34.7475, 56.6846

Protanomaly

37.4827, 34.4922, 61.8088

Deuteranomaly

37.8775, 34.5920, 55.7195

Tritanomaly

39.9253, 34.5272, 43.5898

Monochromacy



Original Color

42.6306, 34.7475, 56.6846

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

37.4623, 35.8074, 46.0113

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6306, 34.7475, 56.6846 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(198, 140, 196)` looks like.

```
.text, #text, p{  
    color:rgb(198, 140, 196)  
}
```

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(198, 140, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 140, 196) }
```

Border

The CSS property to change the border of an element to XYZ 42.6306, 34.7475, 56.6846 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(198, 140, 196) }
```


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

```
.border{ border-color:rgb(198, 140, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 140, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 140, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 140, 196);  
box-shadow:4px 4px 4px 4px rgb(198, 140,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6306, 34.7475, 56.6846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 140, 196) }
```

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

```
.background{ background-color: rgb(198,  
140, 196) }
```

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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