

Converting Colors

CIELCh(56, 36.899, 326.138)

Have a look what the booklet for
CIELCh(56, 36.899, 326.138)
contains.

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Color

CIELCh(56, 36.455, 326.131)

Conversions

Conversions Part 1

Format	Color
Hex	AA74AA
RGB	170, 116, 170
RGB Percent	67%, 45%, 67%
CMY	0.3336, 0.5454, 0.3336
CMYK	0.00, 0.32, 0.00, 0.33
HSL	300°, 24%, 56%
HSV	300°, 32%, 67%
XYZ	30.0480, 23.9124, 41.0261
YIQ	138.3020, 14.8500, 28.2420

Conversions

Conversions Part 2

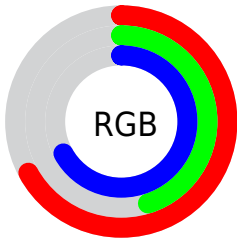
Format	Color
RYB	170, 116, 170
Decimal	11170986
CIELab	56.00, 30.27, -20.32
CIELCh	56, 36.455, 326.131
Yxy	23.9124, 0.3163, 0.2517
Android (android.graphics.Color)	4289361066 (0xFFAA74AA)
YUV	138.3020, 15.6271, 27.7991
Hunter-Lab	48.9003, 24.1081, -15.5125

Details

The CIELCh color **56, 36.455, 326.131** is a light color, and the websafe version is hex **996699**. A complement of this color would be **65, 36.466, 142.230**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 36.140, 326.297**, and **36, 36.962, 326.104** is the 20% darker color. If you saturate the color by 10%, you get **52, 47.476, 326.629**, and if you desaturate by 10%, it is **60, 25.039, 325.604**.

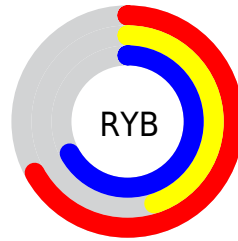
Distribution



Red (67%)

Green (45%)

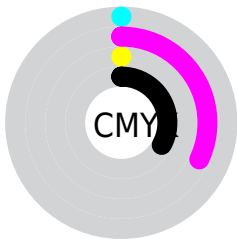
Blue (67%)



Red (67%)

Yellow (45%)

Blue (67%)

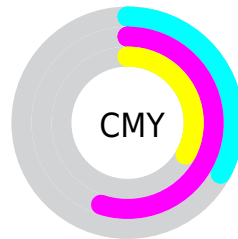


Cyan (0%)

Magenta (32%)

Yellow (0%)

Black (33%)



Cyan (33%)


Magenta (55%)


Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 36.455, 326.131 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 CIELCh color 56, 36.455, 326.131 by changing the saturation by 10% instead.


 56, 36.455,
326.131


 56, 36.455,
326.131


 100, 36.455,
326.131


 46, 36.455,
326.131


 76, 36.455,
326.131

 36, 36.455,
326.131

 86, 36.455,
326.131

 26, 36.455,
326.131

 96, 36.455,
326.131

 16, 36.455,
326.131

 6, 36.455, 326.131

 0, 36.455, 326.131

56, 36.455,
326.131

56, 36.455,
326.131

52, 47.476,
326.629

60, 25.039,
325.604

49, 57.759,
327.082

64, 13.500,
325.059

46, 66.890,
327.474

69, 2.026, 324.425

44, 74.439,
327.791

73, 9.257, 144.032

42, 80.050,
328.021

78, 20.271,
143.503

41, 83.553,
328.163

83, 30.972,
143.005

40, 85.264,
328.232

87, 41.342,
142.533

92, 51.378,
142.089

■ 93, 53.185,
142.010

Harmonies

Complementary

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



56, 36.455, 326.131



65, 36.466, 142.230

Rectangle

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



56, 36.455, 326.131



56, 36.455, 16.131



56, 36.455, 146.131



56, 36.455, 196.131

Sweetspot

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



56, 36.453, 326.131



83, 14.232, 324.971



51, 30.972, 293.447



44, 9.794, 325.047



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



56, 36.453, 326.131



69, 53.851, 326.479



55, 26.360, 345.642



33, 6.429, 324.920



35, 76.993, 328.232



2, 11.673, 324.438

Inverse Universe

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



54, 22.957, 22.069



66, 34.943, 23.013



65, 25.448, 159.865



33, 3.724, 19.905



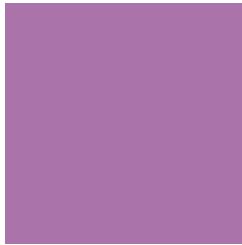
30, 69.026, 39.359



1, 6.572, 19.404

Previews

White Background



This preview shows how the CIELCh color 56, 36.455, 326.131 looks on a white background.

Color Contrast Check

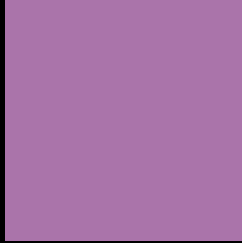
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 56, 36.455, 326.131 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 × Fail

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

CIELCh 56, 36.455, 326.131

Background



This preview shows how black text looks on a background with the CIELCh color 56, 36.455, 326.131.



This preview shows how white text looks on a background with the CIELCh color 56, 36.455, 326.131.

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

56, 36.455, 326.131

Protanopia

56, 28.205, 284.771

Deuteranopia

56, 20.047, 291.514



Tritanopia
56, 17.921, 3.062

Trichromacy



Original Color
56, 36.455, 326.131

Protanomaly
56, 29.596, 300.848

Deuteranomaly
56, 25.158, 308.635

Tritanomaly
56, 23.531, 343.274

Monochromacy



Original Color
56, 36.455, 326.131

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 13.817, 325.138

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 36.455, 326.131 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(170, 116, 170)` looks like.

```
.text, #text, p{  
    color:rgb(170, 116, 170)  
}
```

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(170, 116, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 116, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 36.455, 326.131 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(170, 116, 170) }
```

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

```
.border{ border-color:rgb(170, 116, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 116, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 116, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 116, 170);  
box-shadow:4px 4px 4px 4px rgb(170, 116,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 36.455, 326.131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 116, 170) }
```

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

```
.background{ background-color: rgb(170,  
116, 170) }
```

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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