

Converting Colors

CIELCh(36, 30.087, 326.400)

Have a look what the booklet for
CIELCh(36, 30.087, 326.400)
contains.

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Color

CIELCh(36, 30.490, 326.350)

Conversions

Conversions Part 1

Format	Color
Hex	704670
RGB	112, 70, 112
RGB Percent	44%, 27%, 44%
CMY	0.5605, 0.7252, 0.5605
CMYK	0.00, 0.37, 0.00, 0.56
HSL	300°, 23%, 36%
HSV	300°, 37%, 44%
XYZ	11.8124, 9.0082, 16.4639
YIQ	87.3460, 11.5500, 21.9660

Conversions

Conversions Part 2

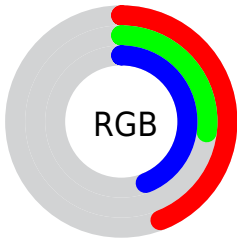
Format	Color
R_{YB}	112, 70, 112
Decimal	7358064
CIE _{Lab}	36.00, 25.38, -16.90
CIE _{LCh}	36, 30.490, 326.350
Yxy	9.0082, 0.3168, 0.2416
Android (android.graphics.Color)	4285548144 (0xFF704670)
YUV	87.3460, 12.1544, 21.6216
Hunter-Lab	30.0136, 17.7283, -11.5139

Details

The CIELCh color $[36, 30.490, 326.350]$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $[43, 30.520, 141.843]$, and the grayscale version is $[37, 0.005, 296.813]$.

A 20% lighter version of the original color is $[56, 30.826, 326.527]$, and $[16, 30.753, 326.473]$ is the 20% darker color. If you saturate the color by 10%, you get $[33, 38.147, 326.813]$, and if you desaturate by 10%, it is $[39, 22.467, 325.854]$.

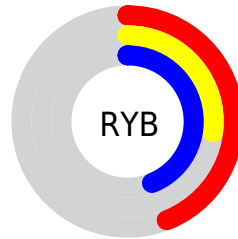
Distribution



Red (44%)

Green (27%)

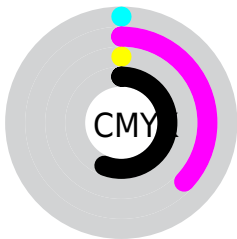
Blue (44%)



Red (44%)

Yellow (27%)

Blue (44%)

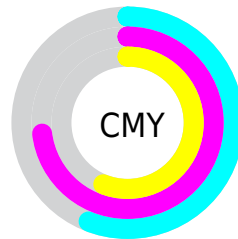


Cyan (0%)

Magenta (37%)

Yellow (0%)

Black (56%)



Cyan (56%)


Magenta (73%)


Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 30.490, 326.350 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 36, 30.490, 326.350 by changing the saturation by 10% instead.


 36, 30.490,
326.350


 36, 30.490,
326.350

 100, 30.490,
326.350


 26, 30.490,
326.350

 56, 30.490,
326.350


 16, 30.490,
326.350


 66, 30.490,
326.350

 6, 30.490, 326.350

 76, 30.490,
326.350

 0, 30.490, 326.350

 86, 30.490,
326.350

 96, 30.490,
326.350

36, 30.490,
326.350

36, 30.490,
326.350

33, 38.147,
326.813

39, 22.467,
325.854

31, 45.193,
327.229

42, 14.283,
325.337

29, 51.345,
327.584

45, 6.084, 324.803

28, 56.328,
327.865

48, 2.026, 144.398

51, 9.979, 143.826

27, 59.936,
328.065

55, 17.734,
143.330

26, 62.412,
328.200

58, 25.269,
142.859

26, 63.028,
328.234

61, 32.576,
142.413

■ 65, 39.654,
141.991

Harmonies

Complementary

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



36, 30.490, 326.350



43, 30.520, 141.843

Rectangle

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



36, 30.490, 326.350



36, 30.490, 16.350



36, 30.490, 146.350



36, 30.490, 196.350

Sweetspot

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



36, 30.488, 326.350



56, 11.097, 325.010



31, 26.697, 294.767



29, 7.518, 325.064



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



36, 30.488, 326.350



44, 44.840, 326.755



35, 21.902, 347.078



22, 4.583, 324.886



28, 66.122, 328.234



59, 112.928, 328.234

Inverse Universe

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



36, 30.488, 326.350



44, 44.840, 326.755



44, 20.981, 160.239



22, 4.583, 324.886



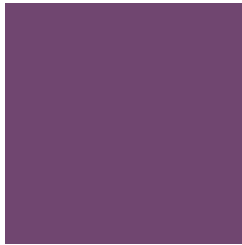
28, 66.122, 328.234



59, 112.928, 328.234

Previews

White Background



This preview shows how the CIELCh color 36, 30.490, 326.350 looks on a white 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

Black Background



This preview shows how the CIE LCh color 36, 30.490, 326.350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

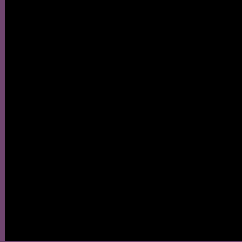
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 30.490, 326.350

Background



This preview shows how black text looks on a background with the CIELCh color 36, 30.490, 326.350.



This preview shows how white text looks on a background with the CIELCh color 36, 30.490, 326.350.

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

36, 30.490, 326.350

Protanopia

36, 24.316, 285.192

Deuteranopia

36, 16.163, 287.484



Tritanopia
36, 14.644, 7.245

Trichromacy



Original Color
36, 30.490, 326.350

Protanomaly
36, 25.131, 300.696

Deuteranomaly
36, 20.604, 307.235

Tritanomaly
36, 18.818, 344.097

Monochromacy



Original Color
36, 30.490, 326.350

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 11.232, 325.224

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 30.490, 326.350 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(112, 70, 112)` looks like.

```
.text, #text, p{  
    color:rgb(112, 70, 112)  
}
```

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(112, 70, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 70, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 30.490, 326.350 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(112, 70, 112) }
```

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

```
.border{ border-color:rgb(112, 70, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 70, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 70, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 70, 112);  
box-shadow:4px 4px 4px 4px rgb(112, 70,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 30.490, 326.350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 70, 112) }
```

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

```
.background{ background-color: rgb(112, 70,  
112) }
```

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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