

Converting Colors

CIELCh(36, 37.628, 326.676)

Have a look what the booklet for
CIELCh(36, 37.628, 326.676)
contains.

CIELCh(36, 37.787, 326.709)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(36, 37.787, 326.709)

Conversions

Conversions Part 1

Format	Color
Hex	764176
RGB	118, 65, 118
RGB Percent	46%, 25%, 46%
CMY	0.5359, 0.7439, 0.5359
CMYK	0.00, 0.45, 0.00, 0.54
HSL	300°, 29%, 36%
HSV	300°, 45%, 46%
XYZ	12.7158, 9.0082, 18.3118
YIQ	86.8890, 14.5750, 27.7190

Conversions

Conversions Part 2

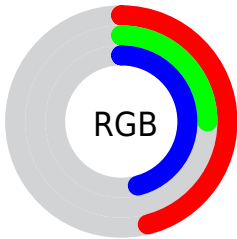
Format	Color
R _Y B	118, 65, 118
Decimal	7750006
CIE Lab	36.00, 31.59, -20.74
CIE LCh	36, 37.787, 326.709
Yxy	9.0082, 0.3176, 0.2250
Android (android.graphics.Color)	4285940086 (0xFF764176)
YUV	86.8890, 15.3377, 27.2843
Hunter-Lab	30.0136, 23.1007, -15.1644

Details

The CIELCh color $36, 37.787, 326.709$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $45, 37.890, 141.134$, and the grayscale version is $37, 0.005, 296.813$.

A 20% lighter version of the original color is $56, 37.295, 326.680$, and $16, 37.851, 327.061$ is the 20% darker color. If you saturate the color by 10%, you get $34, 45.331, 327.140$, and if you desaturate by 10%, it is $39, 29.663, 326.234$.

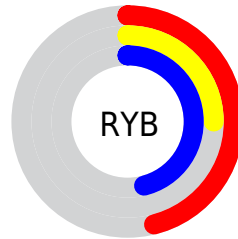
Distribution



Red (46%)

Green (25%)

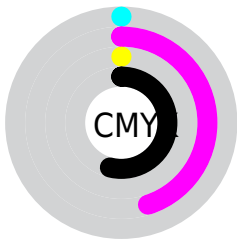
Blue (46%)



Red (46%)

Yellow (25%)

Blue (46%)

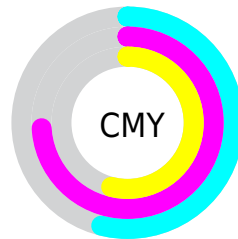


Cyan (0%)

Magenta (45%)

Yellow (0%)

Black (54%)



Cyan (54%)


Magenta (74%)


Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 37.787, 326.709 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, 37.787, 326.709 by changing the saturation by 10% instead.


 36, 37.787,
326.709


 36, 37.787,
326.709

 100, 37.787,
326.709


 26, 37.787,
326.709

 56, 37.787,
326.709


 16, 37.787,
326.709


 66, 37.787,
326.709

 6, 37.787, 326.709

 76, 37.787,
326.709

 0, 37.787, 326.709

 86, 37.787,
326.709

 96, 37.787,
326.709

36, 37.787,
326.709

36, 37.787,
326.709

34, 45.331,
327.140

39, 29.663,
326.234

31, 52.008,
327.513

42, 21.215,
325.729

30, 57.518,
327.813

45, 12.640,
325.205

28, 61.619,
328.033

48, 4.082, 324.654

52, 4.360, 144.220

28, 64.286,
328.174

55, 12.623,
143.690

27, 65.519,
328.239

58, 20.670,
143.198

62, 28.482,
142.731

■ 65, 36.053,
142.289

Harmonies

Complementary

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



36, 37.787, 326.709



45, 37.890, 141.134

Rectangle

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



36, 37.787, 326.709



36, 37.787, 16.709



36, 37.787, 146.709



36, 37.787, 196.709

Sweetspot

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



36, 37.785, 326.709



58, 13.688, 325.126



30, 33.897, 296.050



29, 9.528, 325.222



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



36, 37.785, 326.709



44, 55.050, 327.161



35, 27.305, 347.988



23, 4.757, 324.894



28, 67.122, 328.239



59, 113.796, 328.239

Inverse Universe

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



36, 37.785, 326.709



44, 55.050, 327.161



46, 25.984, 159.356



23, 4.757, 324.894



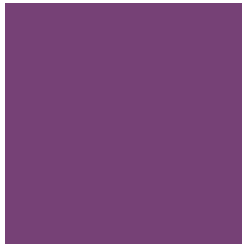
28, 67.122, 328.239



59, 113.796, 328.239

Previews

White Background



This preview shows how the CIELCh color 36, 37.787, 326.709 looks on a white background.

Color Contrast Check

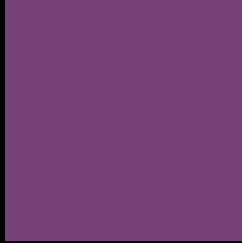
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 36, 37.787, 326.709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

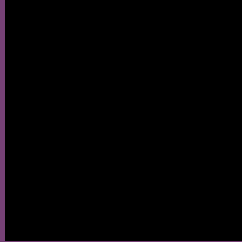
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 37.787, 326.709

Background



This preview shows how black text looks on a background with the CIELCh color 36, 37.787, 326.709.



This preview shows how white text looks on a background with the CIELCh color 36, 37.787, 326.709.

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, 37.787, 326.709

Protanopia

36, 30.552, 284.921

Deuteranopia

36, 19.315, 285.777



Tritanopia
36, 17.810, 10.505

Trichromacy



Original Color
36, 37.787, 326.709

Protanomaly
36, 31.960, 300.628

Deuteranomaly
36, 25.017, 306.817

Tritanomaly
36, 23.141, 345.875

Monochromacy



Original Color
36, 37.787, 326.709

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 14.192, 325.420

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 37.787, 326.709 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(118, 65, 118)` looks like.

```
.text, #text, p{  
    color:rgb(118, 65, 118)  
}
```

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(118, 65, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 65, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 37.787, 326.709 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(118, 65, 118) }
```

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

```
.border{ border-color:rgb(118, 65, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 65, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 65, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 65, 118);  
box-shadow:4px 4px 4px 4px rgb(118, 65,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 37.787, 326.709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 65, 118) }
```

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

```
.background{ background-color: rgb(118, 65,  
118) }
```

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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