

Converting Colors

CIELCh(36, 58.310, 324.930)

Have a look what the booklet for
CIELCh(36, 58.310, 324.930)
contains.

CIELCh(36, 58.070, 325.050)	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, 58.070, 325.050)

Conversions

Conversions Part 1

Format	Color
Hex	84328B
RGB	132, 50, 139
RGB Percent	52%, 20%, 55%
CMY	0.4832, 0.8048, 0.4557
CMYK	0.05, 0.64, 0.00, 0.46
HSL	295°, 47%, 37%
HSV	295°, 64%, 54%
XYZ	15.2569, 9.0082, 25.2785
YIQ	84.6640, 20.3030, 45.0630

Conversions

Conversions Part 2

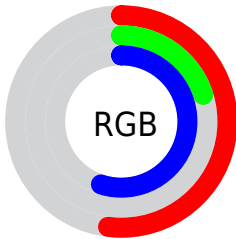
Format	Color
R_{YB}	132, 50, 139
Decimal	8663691
CIE _{Lab}	36.00, 47.60, -33.27
CIE _{LCh}	36, 58.070, 325.050
Yxy	9.0082, 0.3079, 0.1818
Android (android.graphics.Color)	4286853771 (0xFF84328B)
YUV	84.6640, 26.7876, 41.5137
Hunter-Lab	30.0136, 38.2135, -28.9265

Details

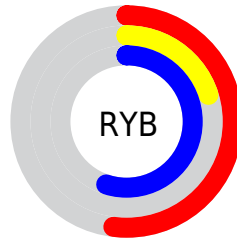
The CIELCh color $[36, 58.070, 325.050]$ is a dark color, and the websafe version is hex 993399 . A complement of this color would be $[51, 58.194, 137.629]$, and the grayscale version is $[36, 0.005, 296.813]$.

A 20% lighter version of the original color is $[56, 58.130, 324.922]$, and $[17, 53.539, 324.548]$ is the 20% darker color. If you saturate the color by 10%, you get $[34, 64.513, 325.255]$, and if you desaturate by 10%, it is $[39, 50.344, 324.745]$.

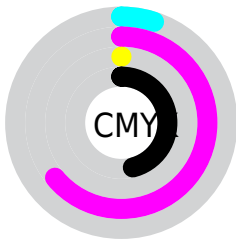
Distribution



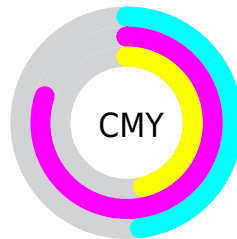
- Red (52%)
- Green (20%)
- Blue (55%)



- Red (52%)
- Yellow (20%)
- Blue (55%)



- Cyan (5%)
- Magenta (64%)
- Yellow (0%)
- Black (46%)





- Cyan (48%)
- Magenta (80%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 58.070, 325.050 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, 58.070, 325.050 by changing the saturation by 10% instead.


 36, 58.070,
325.050


 36, 58.070,
325.050

 100, 58.070,
325.050


 26, 58.070,
325.050

 56, 58.070,
325.050


 16, 58.070,
325.050


 66, 58.070,
325.050

 6, 58.070, 325.050

 76, 58.070,
325.050

 0, 58.070, 325.050

 86, 58.070,
325.050

 96, 58.070,
325.050

36, 58.070,
325.050

36, 58.070,
325.050

34, 64.513,
325.255

39, 50.344,
324.745

32, 69.349,
325.338

42, 41.709,
324.364

31, 72.413,
325.287

45, 32.503,
323.929

30, 73.848,
325.233

49, 23.005,
323.462

52, 13.421,
322.976

56, 3.896, 322.460

60, 5.474, 142.067

64, 14.632,
141.588

■ 68, 23.545,
141.145

Harmonies

Complementary

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



36, 58.070, 325.050



51, 58.194, 137.629

Rectangle

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



36, 58.070, 325.050



36, 58.070, 15.050



36, 58.070, 145.050



36, 58.070, 195.050

Sweetspot

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



36, 58.068, 325.050



65, 22.480, 323.234



28, 52.282, 297.126



33, 15.605, 323.358



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



36, 58.068, 325.050



44, 81.373, 325.309



35, 44.775, 345.820



27, 5.310, 322.728



29, 71.445, 325.246



0, 2.449, 322.306

Inverse Universe

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



34, 41.600, 22.529



41, 62.295, 27.434



52, 43.798, 152.560



27, 3.161, 13.513



27, 60.742, 35.461



0, 1.425, 12.883

Previews

White Background



This preview shows how the CIELCh color 36, 58.070, 325.050 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, 58.070, 325.050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

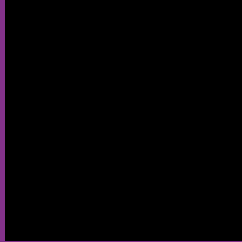
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 58.070, 325.050

Background



This preview shows how black text looks on a background with the CIELCh color 36, 58.070, 325.050.

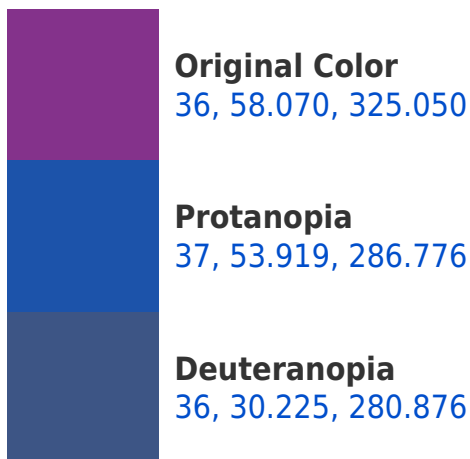


This preview shows how white text looks on a background with the CIELCh color 36, 58.070, 325.050.

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





Tritanopia
36, 25.289, 16.952

Trichromacy



Original Color
36, 58.070, 325.050

Protanomaly
34, 54.668, 297.121

Deuteranomaly
35, 39.667, 303.279

Tritanomaly
36, 33.803, 345.693

Monochromacy



Original Color
36, 58.070, 325.050

Achromatopsia
36, 0.005, 296.813

Achromatomaly
35, 23.063, 323.290

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 58.070, 325.050 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(132, 50, 139)` looks like.

```
.text, #text, p{  
    color:rgb(132, 50, 139)  
}
```

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(132, 50, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 50, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 58.070, 325.050 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(132, 50, 139) }
```

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

```
.border{ border-color:rgb(132, 50, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 50, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(132, 50, 139); -webkit-box-shadow:4px 4px 4px 4px rgb(132, 50, 139); box-shadow:4px 4px 4px 4px rgb(132, 50, 139) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 58.070, 325.050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 50, 139) }
```

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

```
.background{ background-color: rgb(132, 50,  
139) }
```

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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