

Converting Colors

CIELCh(36, 58.800, 296.504)

Have a look what the booklet for
CIELCh(36, 58.800, 296.504)
contains.

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Color

CIELCh(36, 58.466, 296.342)

Conversions

Conversions Part 1

Format	Color
Hex	414BAA
RGB	65, 75, 170
RGB Percent	25%, 29%, 67%
CMY	0.7462, 0.7068, 0.3344
CMYK	0.62, 0.56, 0.00, 0.33
HSL	234°, 45%, 46%
HSV	234°, 62%, 67%
XYZ	11.8924, 9.0082, 39.0117
YIQ	82.8400, -36.4550, 27.4250

Conversions

Conversions Part 2

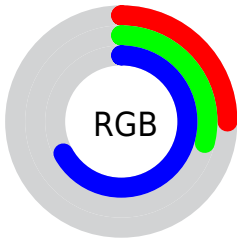
Format	Color
R_{YB}	65, 74, 170
Decimal	4279210
CIE _{Lab}	36.00, 25.94, -52.39
CIE _{LCh}	36, 58.466, 296.342
Yxy	9.0082, 0.1985, 0.1504
Android (android.graphics.Color)	4282469290 (0xFF414BAA)
YUV	82.8400, 42.9699, -15.6457
Hunter-Lab	30.0136, 18.2040, -56.0557

Details

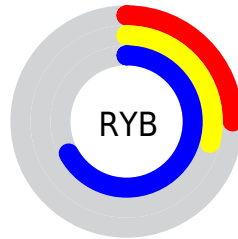
The CIELCh color `36, 58.466, 296.342` is a dark color, and the websafe version is hex `333399`. A complement of this color would be `65, 50.176, 99.584`, and the grayscale version is `35, 0.005, 296.813`.

A 20% lighter version of the original color is `56, 58.214, 296.284`, and `17, 57.720, 298.253` is the 20% darker color. If you saturate the color by 10%, you get `31, 69.006, 298.839`, and if you desaturate by 10%, it is `41, 48.096, 294.025`.

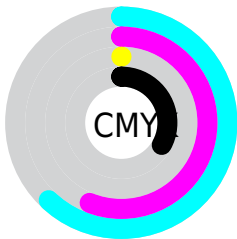
Distribution



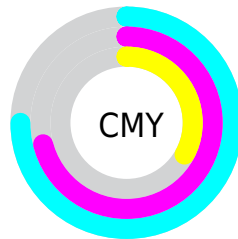
- Red (25%)
- Green (29%)
- Blue (67%)



- Red (25%)
- Yellow (29%)
- Blue (67%)



- Cyan (62%)
- Magenta (56%)
- Yellow (0%)
- Black (33%)





- Cyan (75%)
- Magenta (71%)
- Yellow (33%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 58.466, 296.342 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, 58.466, 296.342 by changing the saturation by 10% instead.


 36, 58.466,
296.342

 36, 58.466,
296.342

 100, 58.466,
296.342


 26, 58.466,
296.342

 56, 58.466,
296.342


 16, 58.466,
296.342


 66, 58.466,
296.342

 6, 58.466, 296.342

 76, 58.466,
296.342

 0, 58.466, 296.342

 86, 58.466,
296.342

 96, 58.466,
296.342

■ 36, 58.466,
296.342

■ 36, 58.466,
296.342

■ 31, 69.006,
298.839

■ 41, 48.096,
294.025

■ 27, 79.254,
301.342

■ 47, 38.070,
291.962

■ 23, 88.297,
303.579

■ 52, 28.424,
290.172

■ 21, 93.947,
304.930

■ 58, 19.147,
288.636

■ 63, 10.212,
287.327

■ 68, 1.592, 286.255

■ 74, 6.737, 105.222

■ 79, 14.793,
104.403

■ 85, 22.596,
103.691

Harmonies

Complementary

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



36, 58.466, 296.342



65, 50.176, 99.584

Rectangle

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



36, 58.466, 296.342



36, 58.466, 346.342



36, 58.466, 116.342



36, 58.466, 166.342

Sweetspot

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



36, 58.466, 296.343



76, 20.583, 288.285



64, 32.657, 186.230



38, 14.352, 288.673



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



36, 58.466, 296.343



40, 88.695, 299.720



37, 64.567, 309.294



33, 4.812, 287.022



18, 84.341, 304.741



1, 8.780, 286.638

Inverse Universe

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



42, 47.002, 20.926



51, 70.099, 25.436



65, 57.377, 122.684



33, 3.747, 12.168



30, 65.608, 35.239



1, 6.630, 12.575

Previews

White Background



This preview shows how the CIE LCh color 36, 58.466, 296.342 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, 58.466, 296.342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

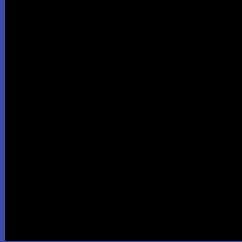
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 58.466, 296.342

Background



This preview shows how black text looks on a background with the CIELCh color 36, 58.466, 296.342.



This preview shows how white text looks on a background with the CIELCh color 36, 58.466, 296.342.

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, 58.466, 296.342

Protanopia

36, 57.215, 286.810

Deuteranopia

36, 41.288, 274.995



Tritanopia
36, 20.021, 209.711

Trichromacy



Original Color
36, 58.466, 296.342

Protanomaly
36, 57.712, 288.923

Deuteranomaly
35, 47.159, 283.037

Tritanomaly
35, 26.597, 265.764

Monochromacy



Original Color
36, 58.466, 296.342

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 21.857, 290.009

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 58.466, 296.342 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(65, 75, 170)` looks like.

```
.text, #text, p{  
    color:rgb(65, 75, 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(65, 75, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 75, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 58.466, 296.342 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(65, 75, 170) }
```

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

```
.border{ border-color:rgb(65, 75, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 75, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 75, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 75, 170);  
box-shadow:4px 4px 4px 4px rgb(65, 75,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 58.466, 296.342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 75, 170) }
```

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

```
.background{ background-color: rgb(65, 75,  
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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