

Converting Colors

CIELCh(33, 48.636, 269.912)

Have a look what the booklet for
CIELCh(33, 48.636, 269.912)
contains.

CIELCh(35, 46.358, 280.376)	3
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Color

CIELCh(35, 46.358, 280.376)

Conversions

Conversions Part 1

Format	Color
Hex	02529C
RGB	2, 82, 156
RGB Percent	1%, 32%, 61%
CMY	0.9933, 0.6766, 0.3901
CMYK	0.99, 0.47, 0.00, 0.39
HSL	209°, 98%, 31%
HSV	209°, 99%, 61%
XYZ	9.0332, 8.4984, 32.4053
YIQ	66.5160, -71.4340, 6.0540

Conversions

Conversions Part 2

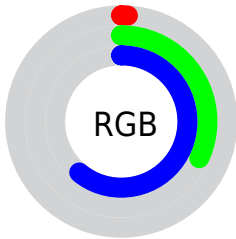
Format	Color
R_YB	2, 55, 156
Decimal	152220
CIE Lab	35.00, 8.35, -45.60
CIE LCh	35, 46.358, 280.376
Yxy	8.4984, 0.1809, 0.1702
Android (android.graphics.Color)	4278342300 (0xFF02529C)
YUV	66.5160, 44.1156, -56.5805
Hunter-Lab	29.1520, 4.2953, -45.5002

Details

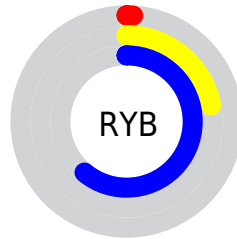
The CIELCh color **35, 46.358, 280.376** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **41, 58.794, 59.309**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 46.723, 280.607**, and **18, 44.605, 291.887** is the 20% darker color. If you saturate the color by 10%, you get **35, 46.871, 280.837**, and if you desaturate by 10%, it is **37, 41.855, 275.918**.

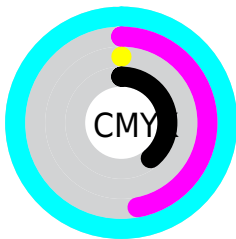
Distribution



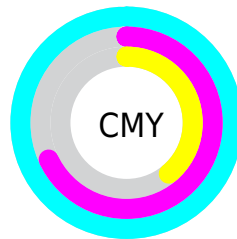
- Red (1%)
- Green (32%)
- Blue (61%)



- Red (1%)
- Yellow (22%)
- Blue (61%)



- Cyan (99%)
- Magenta (47%)
- Yellow (0%)
- Black (39%)





- Cyan (99%)
- Magenta (68%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 46.358, 280.376 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 35, 46.358, 280.376 by changing the saturation by 10% instead.


 35, 46.358,
280.376


 35, 46.358,
280.376

 100, 46.358,
280.376


 25, 46.358,
280.376

 55, 46.358,
280.376


 15, 46.358,
280.376


 65, 46.358,
280.376

 5, 46.358, 280.376

 75, 46.358,
280.376

 0, 46.358, 280.376

 85, 46.358,
280.376

 95, 46.358,
280.376

■ 35, 46.358,
280.376

■ 35, 46.358,
280.376

■ 35, 46.871,
280.837

■ 37, 41.855,
275.918

■ 40, 37.469,
271.609

■ 43, 33.087,
267.730

■ 46, 28.635,
264.345

■ 49, 24.067,
261.451

■ 52, 19.365,
259.009

■ 55, 14.532,
256.960

■ 58, 9.586, 255.249

Harmonies

Complementary

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



35, 46.358, 280.376



41, 58.794, 59.309

Rectangle

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



35, 46.358, 280.376



35, 46.358, 330.376



35, 46.358, 100.376



35, 46.358, 150.376

Sweetspot

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



35, 46.358, 280.378



69, 18.599, 257.280



56, 62.777, 148.078



35, 12.740, 258.064



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



35, 46.358, 280.378



45, 57.830, 281.808



18, 90.280, 305.679



31, 2.850, 253.877



31, 43.092, 280.376



2, 3.118, 253.660

Inverse Universe

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



33, 58.801, 358.701



44, 71.264, 359.912



61, 65.140, 100.783



30, 4.256, 343.019



30, 54.729, 358.684



1, 4.525, 342.789

Previews

White Background



This preview shows how the CIE LCh color 35, 46.358, 280.376 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 35, 46.358, 280.376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

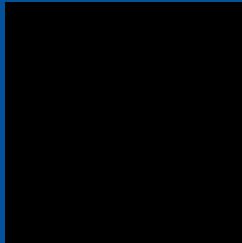
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 46.358, 280.376

Background



This preview shows how black text looks on a background with the CIELCh color 35, 46.358, 280.376.



This preview shows how white text looks on a background with the CIELCh color 35, 46.358, 280.376.

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
35, 46.897, 280.902

Protanopia
35, 45.630, 286.353

Deuteranopia
35, 41.320, 275.659



Tritanopia
35, 23.060, 206.058

Trichromacy



Original Color
35, 46.897, 280.902

Protanomaly
35, 45.954, 283.323

Deuteranomaly
35, 43.522, 277.992

Tritanomaly
35, 25.792, 244.834

Monochromacy



Original Color
35, 46.897, 280.902

Achromatopsia
28, 0.004, 296.813

Achromatomaly
30, 18.852, 261.584

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 46.358, 280.376 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(2, 82, 156)` looks like.

```
.text, #text, p{  
    color:rgb(2, 82, 156)  
}
```

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(2, 82, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 82, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 46.358, 280.376 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(2, 82, 156) }
```

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

```
.border{ border-color:rgb(2, 82, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 82, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 82, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 82, 156);  
box-shadow:4px 4px 4px 4px rgb(2, 82, 156)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 46.358, 280.376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 82, 156) }
```

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

```
.background{ background-color: rgb(2, 82,  
156) }
```

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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