

Converting Colors

CIELCh(45, 34.956, 260.829)

Have a look what the booklet for
CIELCh(45, 34.956, 260.829)
contains.

CIELCh(45, 35.163, 261.281)	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(45, 35.163, 261.281)

Conversions

Conversions Part 1

Format	Color
Hex	1C70A4
RGB	28, 112, 164
RGB Percent	11%, 44%, 64%
CMY	0.8894, 0.5604, 0.3565
CMYK	0.83, 0.32, 0.00, 0.36
HSL	203°, 71%, 38%
HSV	203°, 83%, 64%
XYZ	12.9978, 14.5417, 37.2901
YIQ	92.8120, -66.7560, -1.6360

Conversions

Conversions Part 2

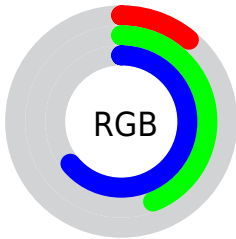
Format	Color
R_{YB}	28, 80, 164
Decimal	1863844
CIE _{Lab}	45.00, -5.33, -34.76
CIE _{LCh}	45, 35.163, 261.281
Yxy	14.5417, 0.2005, 0.2243
Android (android.graphics.Color)	4280053924 (0xFF1C70A4)
YUV	92.8120, 35.0957, -56.8401
Hunter-Lab	38.1336, -5.8923, -31.2851

Details

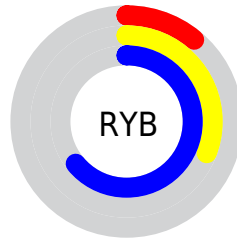
The CIELCh color **45, 35.163, 261.281** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **44, 54.183, 54.742**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 35.254, 261.536**, and **27, 32.203, 272.519** is the 20% darker color. If you saturate the color by 10%, you get **43, 38.332, 265.962**, and if you desaturate by 10%, it is **47, 31.860, 257.143**.

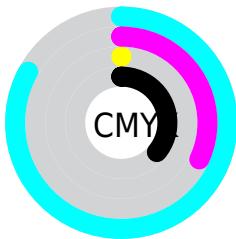
Distribution



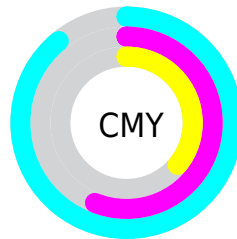
- Red (11%)
- Green (44%)
- Blue (64%)



- Red (11%)
- Yellow (31%)
- Blue (64%)



- Cyan (83%)
- Magenta (32%)
- Yellow (0%)
- Black (36%)



- Cyan (89%)
- Magenta (56%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 35.163, 261.281 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 45, 35.163, 261.281 by changing the saturation by 10% instead.

■ 45, 35.163,
261.281

■ 45, 35.163,
261.281

■ 100, 35.163,
261.281

■ 35, 35.163,
261.281

■ 65, 35.163,
261.281

■ 25, 35.163,
261.281

■ 75, 35.163,
261.281

■ 15, 35.163,
261.281

■ 85, 35.163,
261.281

■ 5, 35.163, 261.281

■ 95, 35.163,
261.281

■ 0, 35.163, 261.281

■ 45, 35.163,

■ 45, 35.163,

261.281

■ 43, 38.332,
265.962

■ 41, 40.649,
269.387

261.281

■ 47, 31.860,
257.143

■ 50, 28.326,
253.601

■ 52, 24.505,
250.636

■ 55, 20.385,
248.188

■ 58, 15.983,
246.184

■ 61, 11.332,
244.549

■ 64, 6.473, 243.228

■ 67, 1.446, 242.333

Harmonies

Complementary

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



45, 35.163, 261.281



44, 54.183, 54.742

Rectangle

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



45, 35.163, 261.281



45, 35.163, 311.281



45, 35.163, 81.281



45, 35.163, 131.281

Sweetspot

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



45, 35.162, 261.282



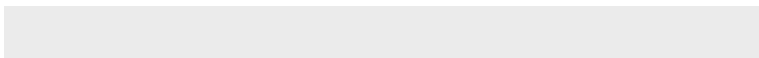
77, 15.348, 244.950



59, 63.886, 146.999



39, 10.386, 245.485



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



45, 35.162, 261.282



54, 49.859, 269.942



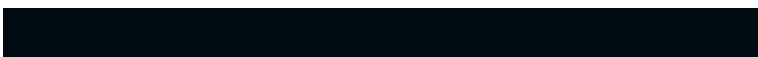
26, 74.818, 300.227



33, 2.859, 242.833



37, 36.910, 268.820



3, 4.614, 248.599

Inverse Universe

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



38, 60.823, 347.083



47, 77.049, 351.458



60, 59.087, 95.221



32, 4.789, 338.468



31, 58.155, 350.819



1, 7.096, 340.523

Previews

White Background



This preview shows how the CIE LCh color 45, 35.163, 261.281 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 × Fail

Black Background



This preview shows how the CIE LCh color 45, 35.163, 261.281 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

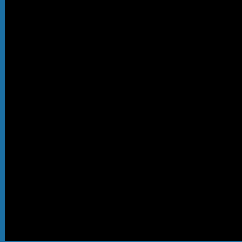
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 35.163, 261.281

Background



This preview shows how black text looks on a background with the CIELCh color 45, 35.163, 261.281.

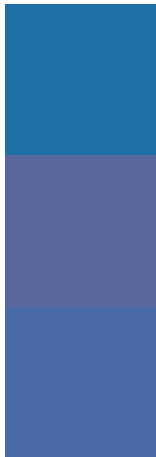


This preview shows how white text looks on a background with the CIELCh color 45, 35.163, 261.281.

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


45, 35.163, 261.281

Protanopia

45, 31.819, 285.367

Deuteranopia

45, 36.416, 280.413



Tritanopia
45, 27.392, 208.099

Trichromacy



Original Color
45, 35.163, 261.281

Protanomaly
45, 33.058, 273.786

Deuteranomaly
45, 35.771, 272.437

Tritanomaly
45, 27.412, 229.119

Monochromacy



Original Color
45, 35.163, 261.281

Achromatopsia
39, 0.006, 296.813

Achromatomaly
41, 15.426, 247.387

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 35.163, 261.281 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(28, 112, 164)` looks like.

```
.text, #text, p{  
    color:rgb(28, 112, 164)  
}
```

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(28, 112, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 112, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 35.163, 261.281 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(28, 112, 164) }
```

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

```
.border{ border-color:rgb(28, 112, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 112, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 112, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 112, 164);  
box-shadow:4px 4px 4px 4px rgb(28, 112,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 35.163, 261.281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 112, 164) }
```

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

```
.background{ background-color: rgb(28, 112,  
164) }
```

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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