

Converting Colors

CIELCh(45, 33.652, 256.041)

Have a look what the booklet for
CIELCh(45, 33.652, 256.041)
contains.

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Color

CIELCh(45, 33.903, 256.662)

Conversions

Conversions Part 1

Format	Color
Hex	1371A1
RGB	19, 113, 161
RGB Percent	7%, 44%, 63%
CMY	0.9248, 0.5566, 0.3683
CMYK	0.88, 0.30, 0.00, 0.37
HSL	200°, 79%, 35%
HSV	200°, 88%, 63%
XYZ	12.6244, 14.5417, 35.8943
YIQ	90.3660, -71.4320, -5.0000

Conversions

Conversions Part 2

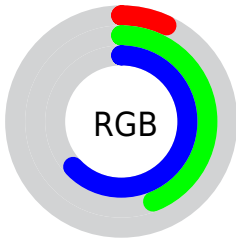
Format	Color
R_{YB}	19, 76, 161
Decimal	1274273
CIE _{Lab}	45.00, -7.82, -32.99
CIE _{LCh}	45, 33.903, 256.662
Yxy	14.5417, 0.2002, 0.2306
Android (android.graphics.Color)	4279464353 (0xFF1371A1)
YUV	90.3660, 34.8226, -62.5880
Hunter-Lab	38.1336, -7.6402, -29.1149

Details

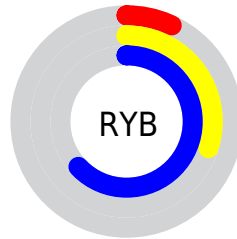
The CIELCh color **45, 33.903, 256.662** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **41, 58.022, 50.956**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 33.767, 256.224**, and **26, 30.563, 270.193** is the 20% darker color. If you saturate the color by 10%, you get **43, 36.360, 261.446**, and if you desaturate by 10%, it is **47, 31.312, 252.346**.

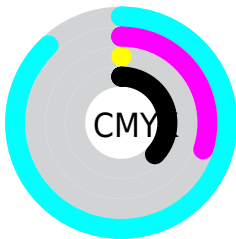
Distribution



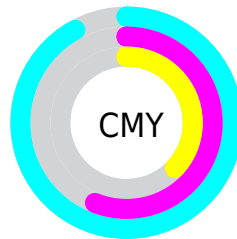
- Red (7%)
- Green (44%)
- Blue (63%)



- Red (7%)
- Yellow (30%)
- Blue (63%)



- Cyan (88%)
- Magenta (30%)
- Yellow (0%)
- Black (37%)





- Cyan (92%)
- Magenta (56%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 33.903, 256.662 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, 33.903, 256.662 by changing the saturation by 10% instead.


 45, 33.903,
256.662


 45, 33.903,
256.662


 100, 33.903,
256.662


 35, 33.903,
256.662

 65, 33.903,
256.662


 25, 33.903,
256.662

 75, 33.903,
256.662

 15, 33.903,
256.662

 85, 33.903,
256.662

 5, 33.903, 256.662

 95, 33.903,
256.662

 0, 33.903, 256.662

 45, 33.903,

 45, 33.903,

256.662

■ 43, 36.360,
261.446

■ 43, 36.850,
262.330

256.662

■ 47, 31.312,
252.346

■ 49, 28.437,
248.665

■ 51, 25.210,
245.603

■ 54, 21.607,
243.099

■ 56, 17.645,
241.071

■ 59, 13.360,
239.439

■ 61, 8.798, 238.135

■ 64, 4.010, 237.127

Harmonies

Complementary

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



45, 33.903, 256.662



41, 58.022, 50.956

Rectangle

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



45, 33.903, 256.662



45, 33.903, 306.662



45, 33.903, 76.662



45, 33.903, 126.662

Sweetspot

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



45, 33.902, 256.663



75, 15.353, 239.210



58, 67.506, 144.735



38, 10.305, 239.680



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



45, 33.902, 256.663



55, 45.248, 263.386



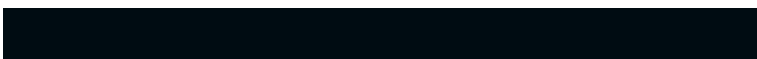
25, 75.544, 300.356



33, 2.829, 237.228



39, 34.001, 261.840



3, 4.530, 243.419

Inverse Universe

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



36, 62.757, 345.097



46, 77.530, 348.028



58, 58.910, 92.285



32, 4.942, 336.485



32, 59.547, 347.310



1, 7.321, 338.442

Previews

White Background



This preview shows how the CIE LCh color 45, 33.903, 256.662 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, 33.903, 256.662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

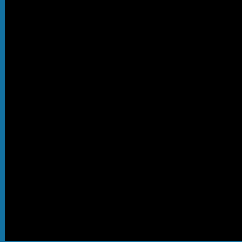
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 33.903, 256.662

Background



This preview shows how black text looks on a background with the CIELCh color 45, 33.903, 256.662.

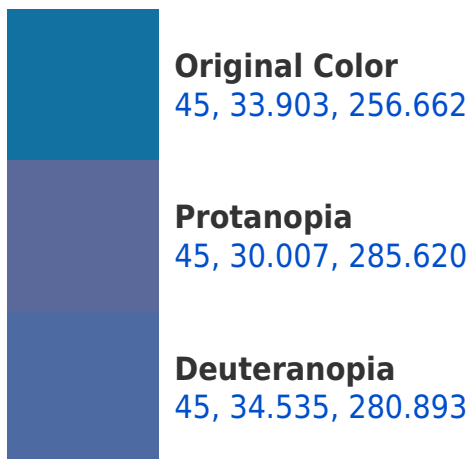


This preview shows how white text looks on a background with the CIELCh color 45, 33.903, 256.662.

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
45, 27.392, 208.099

Trichromacy



Original Color
45, 33.903, 256.662

Protanomaly
44, 31.612, 271.332

Deuteranomaly
45, 33.741, 269.738

Tritanomaly
45, 27.394, 227.627

Monochromacy



Original Color
45, 33.903, 256.662

Achromatopsia
38, 0.005, 296.813

Achromatomaly
40, 15.684, 243.224

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 33.903, 256.662 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(19, 113, 161)` looks like.

```
.text, #text, p{  
    color:rgb(19, 113, 161)  
}
```

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(19, 113, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 113, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 33.903, 256.662 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(19, 113, 161) }
```

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

```
.border{ border-color:rgb(19, 113, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 113, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(19, 113, 161); -webkit-box-shadow:4px 4px 4px 4px rgb(19, 113, 161); box-shadow:4px 4px 4px 4px rgb(19, 113, 161) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 33.903, 256.662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 113, 161) }
```

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

```
.background{ background-color: rgb(19, 113,  
161) }
```

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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