

Converting Colors

CIELCh(45, 34.231, 255.694)

Have a look what the booklet for
CIELCh(45, 34.231, 255.694)
contains.

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Color

CIELCh(45, 34.218, 255.806)

Conversions

Conversions Part 1

Format	Color
Hex	0A71A1
RGB	10, 113, 161
RGB Percent	4%, 44%, 63%
CMY	0.9593, 0.5555, 0.3671
CMYK	0.94, 0.30, 0.00, 0.37
HSL	199°, 88%, 34%
HSV	199°, 94%, 63%
XYZ	12.5401, 14.5417, 36.0386
YIQ	87.6750, -76.7960, -6.9080

Conversions

Conversions Part 2

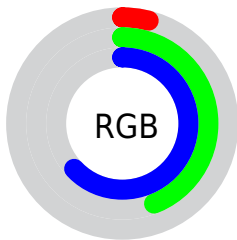
Format	Color
RYB	10, 71, 161
Decimal	684449
CIELab	45.00, -8.39, -33.17
CIELCh	45, 34.218, 255.806
Yxy	14.5417, 0.1987, 0.2304
Android (android.graphics.Color)	4278874529 (0xFF0A71A1)
YUV	87.6750, 36.1492, -68.1210
Hunter-Lab	38.1336, -8.0349, -29.3392

Details

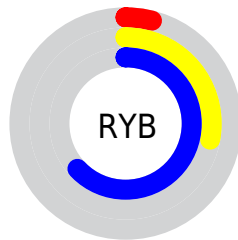
The CIELCh color **45, 34.218, 255.806** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **39, 62.201, 49.081**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 34.101, 255.338**, and **26, 30.563, 270.193** is the 20% darker color. If you saturate the color by 10%, you get **44, 35.632, 258.833**, and if you desaturate by 10%, it is **47, 32.001, 251.248**.

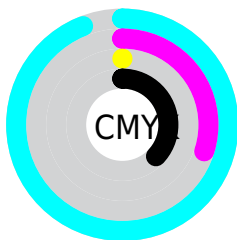
Distribution



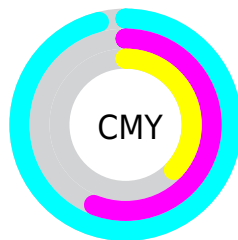
- Red (4%)
- Green (44%)
- Blue (63%)



- Red (4%)
- Yellow (28%)
- Blue (63%)



- Cyan (94%)
- Magenta (30%)
- Yellow (0%)
- Black (37%)





- Cyan (96%)
- Magenta (56%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 34.218, 255.806 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, 34.218, 255.806 by changing the saturation by 10% instead.


 45, 34.218,
255.806


 45, 34.218,
255.806


 100, 34.218,
255.806

 35, 34.218,
255.806


 65, 34.218,
255.806


 25, 34.218,
255.806

 75, 34.218,
255.806

 15, 34.218,
255.806

 85, 34.218,
255.806

 5, 34.218, 255.806

 95, 34.218,
255.806

 0, 34.218, 255.806

 45, 34.218,

 45, 34.218,

255.806

■ 44, 35.632,
258.833

255.806

■ 47, 32.001,
251.248

■ 49, 29.514,
247.326

■ 51, 26.658,
244.051

■ 53, 23.393,
241.372

■ 55, 19.722,
239.208

■ 58, 15.676,
237.475

■ 60, 11.302,
236.097

■ 63, 6.655, 235.014

Harmonies

Complementary

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



45, 34.218, 255.806



39, 62.201, 49.081

Rectangle

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



45, 34.218, 255.806



45, 34.218, 305.806



45, 34.218, 75.806



45, 34.218, 125.806

Sweetspot

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



45, 34.217, 255.807



75, 16.371, 236.739



58, 71.170, 143.070



38, 11.155, 237.325



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, 34.217, 255.807



56, 43.629, 259.875



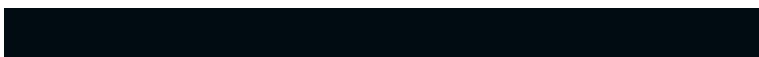
24, 78.826, 301.201



33, 2.824, 234.638



40, 32.850, 258.337



3, 4.503, 240.918

Inverse Universe

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



36, 64.379, 344.759



46, 78.465, 346.438



57, 59.861, 90.309



32, 5.014, 335.620



32, 60.264, 345.785



1, 7.431, 337.504

Previews

White Background



This preview shows how the CIELCh color 45, 34.218, 255.806 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, 34.218, 255.806 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

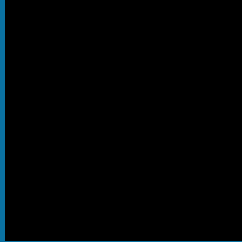
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 34.218, 255.806

Background



This preview shows how black text looks on a background with the CIELCh color 45, 34.218, 255.806.

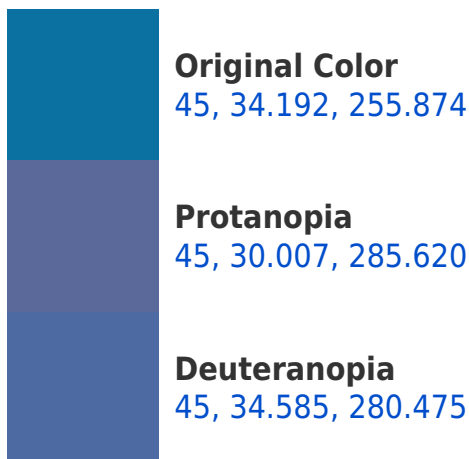



This preview shows how white text looks on a background with the CIELCh color 45, 34.218, 255.806.

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, 34.192, 255.874

Protanomaly
44, 31.834, 270.196

Deuteranomaly
45, 34.013, 268.527

Tritanomaly
45, 27.687, 228.742

Monochromacy



Original Color
45, 34.192, 255.874

Achromatopsia
37, 0.005, 296.813

Achromatomaly
39, 16.314, 241.107

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 34.218, 255.806 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(10, 113, 161)` looks like.

```
.text, #text, p{  
    color:rgb(10, 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(10, 113, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 113, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 34.218, 255.806 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(10, 113, 161) }
```

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

```
.border{ border-color:rgb(10, 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(10, 113, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 113, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 113, 161);  
box-shadow:4px 4px 4px 4px rgb(10, 113,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 34.218, 255.806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 113, 161) }
```

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

```
.background{ background-color: rgb(10, 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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