

Converting Colors

CIELCh(44, 33.732, 255.479)

Have a look what the booklet for
CIELCh(44, 33.732, 255.479)
contains.

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Color

CIELCh(44, 33.759, 255.407)

Conversions

Conversions Part 1

Format	Color
Hex	066F9E
RGB	6, 111, 158
RGB Percent	2%, 44%, 62%
CMY	0.9784, 0.5652, 0.3810
CMYK	0.97, 0.30, 0.00, 0.38
HSL	199°, 93%, 32%
HSV	199°, 97%, 62%
XYZ	11.8973, 13.8382, 34.3257
YIQ	84.9630, -77.6670, -7.6430

Conversions

Conversions Part 2

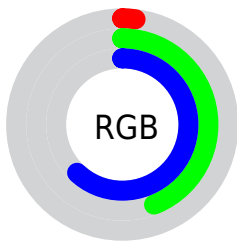
Format	Color
R_{YB}	6, 68, 158
Decimal	421790
CIE _{Lab}	44.00, -8.51, -32.67
CIE _{LCh}	44, 33.759, 255.407
Yxy	13.8382, 0.1981, 0.2304
Android (android.graphics.Color)	4278611870 (0xFF066F9E)
YUV	84.9630, 36.0072, -69.2506
Hunter-Lab	37.1997, -8.0113, -28.6694

Details

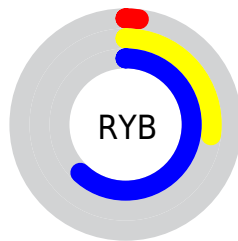
The CIELCh color **44, 33.759, 255.407** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **37, 63.185, 48.299**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 33.610, 255.069**, and **26, 29.477, 268.969** is the 20% darker color. If you saturate the color by 10%, you get **43, 34.481, 257.005**, and if you desaturate by 10%, it is **46, 31.744, 250.786**.

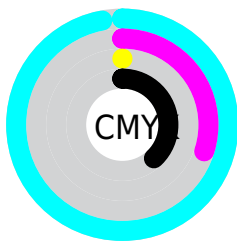
Distribution



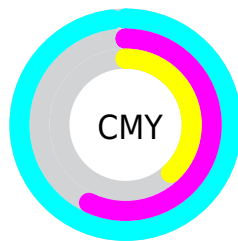
- Red (2%)
- Green (44%)
- Blue (62%)



- Red (2%)
- Yellow (27%)
- Blue (62%)



- Cyan (97%)
- Magenta (30%)
- Yellow (0%)
- Black (38%)




- Cyan (98%)
- Magenta (57%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 33.759, 255.407 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 44, 33.759, 255.407 by changing the saturation by 10% instead.

 44, 33.759,
255.407


 44, 33.759,
255.407


 100, 33.759,
255.407


 34, 33.759,
255.407

 64, 33.759,
255.407


 24, 33.759,
255.407

 74, 33.759,
255.407

 14, 33.759,
255.407


 84, 33.759,
255.407

 4, 33.759, 255.407

 94, 33.759,
255.407

 0, 33.759, 255.407

 44, 33.759,

 44, 33.759,

255.407

■ 43, 34.481,
257.005

255.407

■ 46, 31.744,
250.786

■ 48, 29.491,
246.751

■ 50, 26.877,
243.371

■ 52, 23.849,
240.602

■ 54, 20.401,
238.366

■ 56, 16.561,
236.578

■ 58, 12.375,
235.158

■ 61, 7.895, 234.042

Harmonies

Complementary

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



44, 33.759, 255.407



37, 63.185, 48.299

Rectangle

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



44, 33.759, 255.407



44, 33.759, 305.407



44, 33.759, 75.407



44, 33.759, 125.407

Sweetspot

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



44, 33.758, 255.408



73, 16.549, 235.555



57, 72.149, 142.002



37, 11.201, 236.116



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



44, 33.758, 255.408



56, 42.100, 258.054



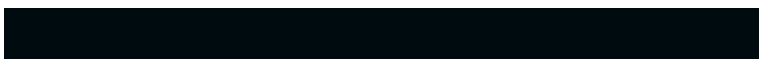
23, 78.248, 301.302



32, 2.750, 233.408



39, 31.910, 256.524



2, 3.666, 236.995

Inverse Universe

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



35, 63.969, 344.604



45, 77.508, 345.668



55, 58.986, 88.568



31, 4.917, 335.216



31, 59.860, 345.047



1, 6.225, 336.104

Previews

White Background



This preview shows how the CIELCh color 44, 33.759, 255.407 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 CIELCh color 44, 33.759, 255.407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

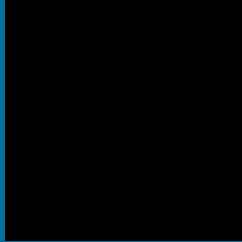
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 33.759, 255.407

Background



This preview shows how black text looks on a background with the CIELCh color 44, 33.759, 255.407.



This preview shows how white text looks on a background with the CIELCh color 44, 33.759, 255.407.

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


44, 33.759, 255.407

Protanopia

44, 29.519, 285.437

Deuteranopia

44, 34.069, 280.675



Tritanopia
44, 26.883, 208.379

Trichromacy



Original Color
44, 33.759, 255.407

Protanomaly
43, 30.943, 268.783

Deuteranomaly
43, 34.090, 268.946

Tritanomaly
44, 27.191, 228.034

Monochromacy



Original Color
44, 33.759, 255.407

Achromatopsia
36, 0.005, 296.813

Achromatomaly
38, 16.211, 238.743

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 33.759, 255.407 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(6, 111, 158)` looks like.

```
.text, #text, p{  
    color:rgb(6, 111, 158)  
}
```

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(6, 111, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 111, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 33.759, 255.407 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(6, 111, 158) }
```

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

```
.border{ border-color:rgb(6, 111, 158) }
```

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

Here you see how a box with a 4 pixel rgb(6, 111, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 111, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 111, 158);  
box-shadow:4px 4px 4px 4px rgb(6, 111,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 33.759, 255.407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 111, 158) }
```

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

```
.background{ background-color: rgb(6, 111,  
158) }
```

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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