

Converting Colors

CIELCh(44, 36.004, 168.729)

Have a look what the booklet for
CIELCh(44, 36.004, 168.729)
contains.

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Color

CIELCh(44, 35.893, 168.732)

Conversions

Conversions Part 1

Format	Color
Hex	04765B
RGB	4, 118, 91
RGB Percent	2%, 46%, 36%
CMY	0.9842, 0.5357, 0.6417
CMYK	0.97, 0.00, 0.23, 0.54
HSL	166°, 93%, 24%
HSV	166°, 97%, 46%
XYZ	8.4799, 13.8382, 12.2060
YIQ	80.8360, -59.2770, -32.5650

Conversions

Conversions Part 2

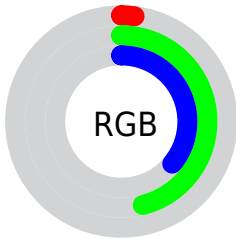
Format	Color
RYB	4, 69, 118
Decimal	292443
CIELab	44.00, -35.20, 7.01
CIELCh	44, 35.893, 168.732
Yxy	13.8382, 0.2456, 0.4008
Android (android.graphics.Color)	4278482523 (0xFF04765B)
YUV	80.8360, 5.0109, -67.3852
Hunter-Lab	37.1997, -24.4093, 6.5856

Details

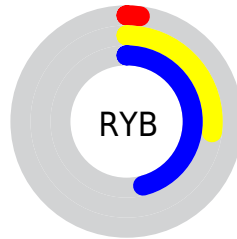
The CIELCh color **44, 35.893, 168.732** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **24, 49.336, 22.724**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 35.932, 168.620**, and **25, 27.371, 161.722** is the 20% darker color. If you saturate the color by 10%, you get **44, 36.517, 168.171**, and if you desaturate by 10%, it is **44, 34.022, 170.459**.

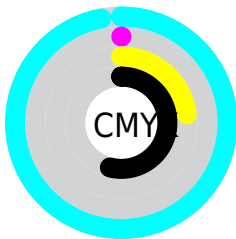
Distribution



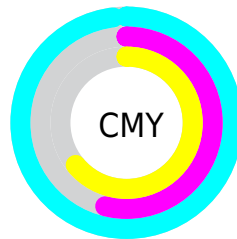
- Red (2%)
- Green (46%)
- Blue (36%)



- Red (2%)
- Yellow (27%)
- Blue (46%)



- Cyan (97%)
- Magenta (0%)
- Yellow (23%)
- Black (54%)





- Cyan (98%)
- Magenta (54%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 35.893, 168.732 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, 35.893, 168.732 by changing the saturation by 10% instead.


 44, 35.893,
168.732


 44, 35.893,
168.732


 100, 35.893,
168.732


 34, 35.893,
168.732

 64, 35.893,
168.732


 24, 35.893,
168.732

 74, 35.893,
168.732

 14, 35.893,
168.732

 84, 35.893,
168.732

 4, 35.893, 168.732

 94, 35.893,
168.732

 0, 35.893, 168.732

 44, 35.893,

 44, 35.893,

168.732

168.732

■ 44, 36.517,
168.171

■ 44, 34.022,
170.459

■ 44, 31.714,
172.063

■ 45, 28.880,
173.511

■ 45, 25.537,
174.822

■ 46, 21.732,
176.016

■ 46, 17.533,
177.115

■ 47, 13.013,
178.137

■ 48, 8.250, 179.102

Harmonies

Complementary

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



44, 35.893, 168.732



24, 49.336, 22.724

Rectangle

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



44, 35.893, 168.732



44, 35.893, 218.732



44, 35.893, 348.732



44, 35.893, 38.732

Sweetspot

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



44, 35.893, 168.731



60, 17.395, 177.826



43, 64.623, 133.546



30, 11.782, 177.482



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



44, 35.893, 168.731



56, 44.285, 167.646



35, 25.288, 243.017



24, 2.799, 179.819



45, 37.435, 168.096



88, 64.504, 166.920

Inverse Universe

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



24, 49.336, 22.724



32, 61.613, 25.697



27, 51.510, 45.331



23, 2.886, 1.265



24, 51.936, 24.389



53, 90.235, 27.756

Previews

White Background



This preview shows how the CIELCh color 44, 35.893, 168.732 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, 35.893, 168.732 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, 35.893, 168.732

Background



This preview shows how black text looks on a background with the CIELCh color 44, 35.893, 168.732.



This preview shows how white text looks on a background with the CIELCh color 44, 35.893, 168.732.

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, 35.827, 168.687

Protanopia

44, 11.750, 93.181

Deuteranopia

44, 7.958, 42.136



Tritanopia
44, 23.174, 210.647

Trichromacy



Original Color
44, 35.827, 168.687

Protanomaly
43, 20.369, 156.669

Deuteranomaly
43, 14.780, 165.634

Tritanomaly
44, 26.905, 189.996

Monochromacy



Original Color
44, 35.827, 168.687

Achromatopsia
34, 0.005, 296.813

Achromatomaly
37, 17.396, 176.273

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 35.893, 168.732 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(4, 118, 91)` looks like.

```
.text, #text, p{  
    color:rgb(4, 118, 91)  
}
```

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(4, 118, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 118, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 35.893, 168.732 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(4, 118, 91) }
```

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

```
.border{ border-color:rgb(4, 118, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 118, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 118, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 118, 91);  
box-shadow:4px 4px 4px 4px rgb(4, 118, 91)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 44, 35.893, 168.732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 118, 91) }
```

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

```
.background{ background-color: rgb(4, 118,  
91) }
```

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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