

Converting Colors

CIELCh(44, 35.793, 158.655)

Have a look what the booklet for
CIELCh(44, 35.793, 158.655)
contains.

CIELCh(44, 35.704, 158.714)	3
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Color

CIELCh(44, 35.704, 158.714)

Conversions

Conversions Part 1

Format	Color
Hex	267551
RGB	38, 117, 81
RGB Percent	15%, 46%, 32%
CMY	0.8527, 0.5393, 0.6806
CMYK	0.68, 0.00, 0.31, 0.54
HSL	153°, 52%, 30%
HSV	153°, 68%, 46%
XYZ	8.7019, 13.8382, 10.0839
YIQ	89.2750, -35.5280, -27.9440

Conversions

Conversions Part 2

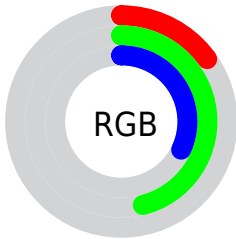
Format	Color
R_{YB}	38, 89, 117
Decimal	2520401
CIE _{Lab}	44.00, -33.27, 12.96
CIE _{LCh}	44, 35.704, 158.714
Yxy	13.8382, 0.2667, 0.4242
Android (android.graphics.Color)	4280710481 (0xFF267551)
YUV	89.2750, -4.0796, -44.9682
Hunter-Lab	37.1997, -23.3441, 9.9679

Details

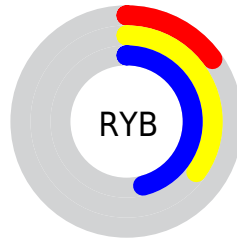
The CIELCh color **44, 35.704, 158.714** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **29, 38.563, 355.001**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 35.801, 158.119**, and **25, 31.554, 153.561** is the 20% darker color. If you saturate the color by 10%, you get **44, 39.658, 157.006**, and if you desaturate by 10%, it is **44, 31.274, 160.236**.

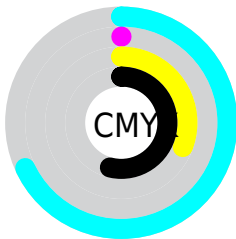
Distribution



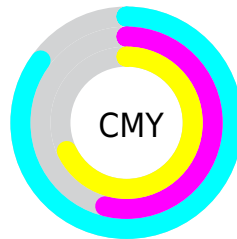
- Red (15%)
- Green (46%)
- Blue (32%)



- Red (15%)
- Yellow (35%)
- Blue (46%)



- Cyan (68%)
- Magenta (0%)
- Yellow (31%)
- Black (54%)




- Cyan (85%)
- Magenta (54%)
- Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 35.704, 158.714 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, 35.704, 158.714 by changing the saturation by 10% instead.


 44, 35.704,
158.714


 44, 35.704,
158.714


 100, 35.704,
158.714


 34, 35.704,
158.714

 64, 35.704,
158.714


 24, 35.704,
158.714

 74, 35.704,
158.714

 14, 35.704,
158.714

 84, 35.704,
158.714

 4, 35.704, 158.714

 94, 35.704,
158.714

 0, 35.704, 158.714

 44, 35.704,

 44, 35.704,

158.714

■ 44, 39.658,
157.006

■ 43, 43.101,
155.104

■ 43, 46.151,
153.115

■ 43, 46.749,
152.751

158.714

■ 44, 31.274,
160.236

■ 45, 26.429,
161.590

■ 46, 21.250,
162.799

■ 47, 15.824,
163.884

■ 48, 10.237,
164.868

■ 49, 4.564, 165.788

■ 50, 1.128, 346.281

■ 51, 6.788, 347.240

■ 52, 12.376,

347.953

Harmonies

Complementary

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



44, 35.704, 158.714



29, 38.563, 355.001

Rectangle

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



44, 35.704, 158.714



44, 35.704, 208.714



44, 35.704, 338.714



44, 35.704, 28.714

Sweetspot

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



44, 35.704, 158.714



61, 14.088, 164.631



45, 47.957, 127.488



31, 9.544, 164.418



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, 35.704, 158.714



56, 50.618, 155.877



44, 23.579, 200.787



24, 3.198, 165.695



45, 48.245, 152.642



87, 84.000, 151.280

Inverse Universe

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



29, 38.563, 355.001



34, 53.654, 359.155



28, 39.119, 30.505



23, 3.244, 347.075



25, 49.066, 4.874



53, 83.158, 7.717

Previews

White Background



This preview shows how the CIE LCh color 44, 35.704, 158.714 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, 35.704, 158.714 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, 35.704, 158.714

Background



This preview shows how black text looks on a background with the CIELCh color 44, 35.704, 158.714.



This preview shows how white text looks on a background with the CIELCh color 44, 35.704, 158.714.

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, 35.534, 158.535

Protanopia
44, 17.048, 95.375

Deuteranopia
44, 12.696, 61.083



Tritanopia
44, 19.656, 213.507

Trichromacy



Original Color
44, 35.534, 158.535

Protanomaly
43, 21.177, 136.671

Deuteranomaly
43, 14.859, 135.693

Tritanomaly
44, 23.093, 186.250

Monochromacy



Original Color
44, 35.534, 158.535

Achromatopsia
38, 0.005, 296.813

Achromatomaly
39, 14.330, 163.962

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 35.704, 158.714 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(38, 117, 81)` looks like.

```
.text, #text, p{  
    color:rgb(38, 117, 81)  
}
```

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(38, 117, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 117, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 35.704, 158.714 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(38, 117, 81) }
```

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

```
.border{ border-color:rgb(38, 117, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 117, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 117, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 117, 81);  
box-shadow:4px 4px 4px 4px rgb(38, 117,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 35.704, 158.714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 117, 81) }
```

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

```
.background{ background-color: rgb(38, 117,  
81) }
```

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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