

Converting Colors

CIELCh(44, 6.454, 156.285)

Have a look what the booklet for
CIELCh(44, 6.454, 156.285) contains.

CIELCh(44, 6.506, 158.628)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(44, 6.506, 158.628)

Conversions

Conversions Part 1

Format	Color
Hex	5F6B64
RGB	95, 107, 100
RGB Percent	37%, 42%, 39%
CMY	0.6279, 0.5808, 0.6083
CMYK	0.11, 0.00, 0.07, 0.58
HSL	145°, 6%, 40%
HSV	145°, 11%, 42%
XYZ	12.2499, 13.8382, 14.0550
YIQ	102.6140, -4.9050, -4.7210

Conversions

Conversions Part 2

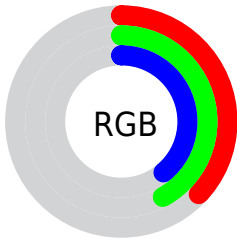
Format	Color
R _Y B	95, 103, 107
Decimal	6253412
CIE Lab	44.00, -6.06, 2.37
CIE LCh	44, 6.506, 158.628
Yxy	13.8382, 0.3052, 0.3447
Android (android.graphics.Color)	4284443492 (0xFF5F6B64)
YUV	102.6140, -1.2887, -6.6775
Hunter-Lab	37.1997, -6.3193, 3.6385

Details

The CIELCh color $44, 6.506, 158.628$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $42, 6.570, 340.199$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $64, 6.351, 161.040$, and $24, 6.855, 155.775$ is the 20% darker color. If you saturate the color by 10%, you get $43, 12.314, 157.779$, and if you desaturate by 10%, it is $45, 0.704, 159.670$.

Distribution



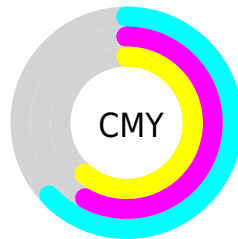
- Red (37%)
- Green (42%)
- Blue (39%)



- Red (37%)
- Yellow (40%)
- Blue (42%)



- Cyan (11%)
- Magenta (0%)
- Yellow (7%)
- Black (58%)



- Cyan (63%)
- Magenta (58%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 6.506, 158.628 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, 6.506, 158.628 by changing the saturation by 10% instead.

■ 44, 6.506, 158.628

■ 44, 6.506, 158.628

■ 100, 6.506,
158.628

■ 34, 6.506, 158.628

■ 64, 6.506, 158.628

■ 24, 6.506, 158.628

■ 74, 6.506, 158.628

■ 14, 6.506, 158.628

■ 84, 6.506, 158.628

■ 4, 6.506, 158.628

■ 94, 6.506, 158.628

■ 0, 6.506, 158.628

■ 44, 6.506, 158.628

■ 44, 6.506, 158.628

■ 43, 12.314,
157.779

■ 45, 0.704, 159.670

■ 42, 18.058,

■ 46, 5.045, 339.954

156.843

47, 10.699,
340.587

41, 23.662,
155.789

49, 16.232,
341.152

41, 29.039,
154.597

50, 21.624,
341.668

40, 34.097,
153.246

51, 26.865,
342.145

40, 38.752,
151.720

53, 31.951,
342.588

39, 42.933,
150.011

54, 36.879,
343.002

39, 46.603,
148.124

56, 41.653,
343.390

39, 49.590,
146.553

Harmonies

Complementary

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



44, 6.506, 158.628



42, 6.570, 340.199

Rectangle

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



44, 6.506, 158.628



44, 6.506, 208.628



44, 6.506, 338.628



44, 6.506, 28.628

Sweetspot

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



44, 6.507, 158.625



57, 2.131, 159.333



44, 7.437, 124.989



29, 1.605, 159.260



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



44, 6.507, 158.625



56, 9.281, 158.451



44, 4.881, 190.404



22, 3.260, 158.809



43, 53.265, 146.299



85, 94.466, 144.910

Inverse Universe

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



42, 6.570, 340.199



52, 9.383, 340.367



41, 5.154, 11.978



21, 3.287, 340.019



24, 49.231, 352.929



53, 83.897, 354.992

Previews

White Background



This preview shows how the CIE LCh color 44, 6.506, 158.628 looks on a white background.

Color Contrast Check

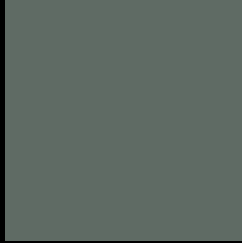
Large Text (above 18pt) WCAG AA ✓ Pass

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 44, 6.506, 158.628 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

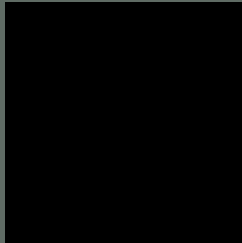
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

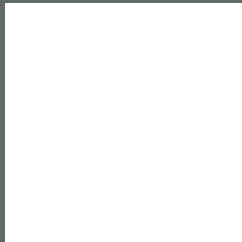
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 44, 6.506, 158.628

Background



This preview shows how black text looks on a background with the CIELCh color 44, 6.506, 158.628.



This preview shows how white text looks on a background with the CIELCh color 44, 6.506, 158.628.

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

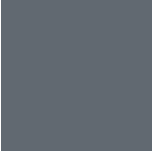
44, 6.506, 158.628

Protanopia

44, 3.421, 80.132

Deuteranopia

44, 6.372, 14.818



Tritanopia
44, 5.663, 257.268

Trichromacy



Original Color

44, 6.506, 158.628

Protanomaly

44, 3.018, 117.693

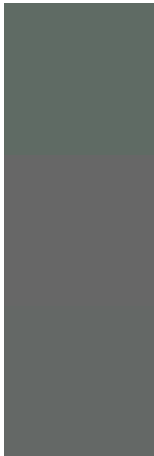
Deuteranomaly

44, 2.401, 49.292

Tritanomaly

44, 4.136, 215.908

Monochromacy



Original Color

44, 6.506, 158.628

Achromatopsia

44, 0.006, 296.813

Achromatomaly

44, 2.045, 163.480

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 6.506, 158.628 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(95, 107, 100)` looks like.

```
.text, #text, p{  
    color:rgb(95, 107, 100)  
}
```

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(95, 107, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 107, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 6.506, 158.628 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(95, 107, 100) }
```

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

```
.border{ border-color:rgb(95, 107, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 107, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 107, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 107, 100);  
box-shadow:4px 4px 4px 4px rgb(95, 107,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 6.506, 158.628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 107, 100) }
```

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

```
.background{ background-color: rgb(95, 107,  
100) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor