

Converting Colors

CIELCh(44, 10.784, 115.552)

Have a look what the booklet for
CIELCh(44, 10.784, 115.552)
contains.

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Color

CIELCh(44, 10.784, 115.552)

Conversions

Conversions Part 1

Format	Color
Hex	676A58
RGB	103, 106, 88
RGB Percent	40%, 42%, 35%
CMY	0.5969, 0.5851, 0.6557
CMYK	0.03, 0.00, 0.17, 0.59
HSL	70°, 9%, 38%
HSV	70°, 17%, 41%
XYZ	12.4558, 13.8382, 11.2035
YIQ	103.0510, 3.9900, -6.2340

Conversions

Conversions Part 2

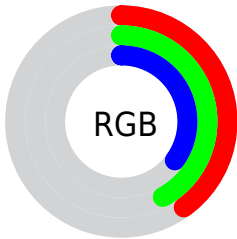
Format	Color
R_{YB}	88, 106, 91
Decimal	6777432
CIE _{Lab}	44.00, -4.65, 9.73
CIE _{LCh}	44, 10.784, 115.552
Yxy	13.8382, 0.3322, 0.3690
Android (android.graphics.Color)	4284967512 (0xFF676A58)
YUV	103.0510, -7.4201, -0.0447
Hunter-Lab	37.1997, -5.3314, 8.1834

Details

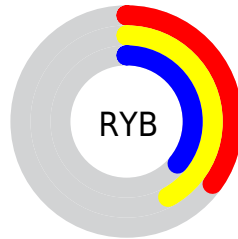
The CIELCh color $44, 10.784, 115.552$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $38, 11.168, 297.989$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $64, 10.606, 115.501$, and $24, 10.581, 115.879$ is the 20% darker color. If you saturate the color by 10%, you get $44, 17.060, 114.867$, and if you desaturate by 10%, it is $44, 4.451, 116.241$.

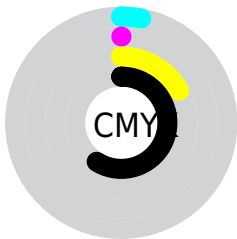
Distribution



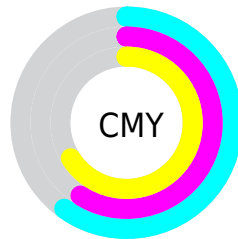
- Red (40%)
- Green (42%)
- Blue (35%)



- Red (35%)
- Yellow (42%)
- Blue (36%)



- Cyan (3%)
- Magenta (0%)
- Yellow (17%)
- Black (59%)




- Cyan (60%)
- Magenta (59%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 10.784, 115.552 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, 10.784, 115.552 by changing the saturation by 10% instead.


 44, 10.784,
115.552


 44, 10.784,
115.552


 100, 10.784,
115.552


 34, 10.784,
115.552

 64, 10.784,
115.552


 24, 10.784,
115.552

 74, 10.784,
115.552

 14, 10.784,
115.552


 84, 10.784,
115.552

 4, 10.784, 115.552

 94, 10.784,
115.552

 0, 10.784, 115.552

 44, 10.784,

 44, 10.784,

115.552

■ 44, 17.060,
114.867

■ 43, 23.223,
114.189

■ 43, 29.195,
113.545

■ 43, 34.863,
112.969

■ 42, 40.060,
112.507

■ 42, 44.561,
112.219

■ 42, 48.104,
112.176

■ 42, 50.781,
112.346

115.552

■ 44, 4.451, 116.241

■ 45, 1.908, 296.909

■ 45, 8.265, 297.553

■ 46, 14.601,
298.168

■ 46, 20.905,
298.752

■ 47, 27.164,
299.303

■ 48, 33.371,
299.820

■ 48, 39.519,
300.305

■ 49, 45.604,

■ 42, 51.604,
112.379

300.757

Harmonies

Complementary

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



44, 10.784, 115.552



38, 11.168, 297.989

Rectangle

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



44, 10.784, 115.552



44, 10.784, 165.552



44, 10.784, 295.552



44, 10.784, 345.552

Sweetspot

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



44, 10.785, 115.557



57, 3.940, 116.367



40, 6.813, 35.640



29, 2.668, 116.333



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, 10.785, 115.557



56, 15.726, 115.312



43, 11.937, 133.975



22, 3.603, 116.107



46, 55.551, 112.484



91, 95.777, 113.021

Inverse Universe

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



38, 11.168, 297.989



48, 16.408, 298.295



39, 12.103, 315.335



20, 3.673, 297.347



12, 74.269, 307.252



32, 128.477, 306.902

Previews

White Background



This preview shows how the CIELCh color 44, 10.784, 115.552 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, 10.784, 115.552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

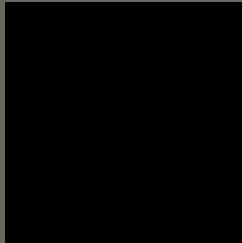
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

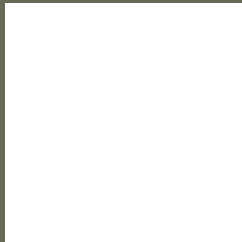
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 44, 10.784, 115.552

Background



This preview shows how black text looks on a background with the CIELCh color 44, 10.784, 115.552.

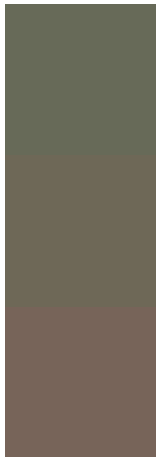


This preview shows how white text looks on a background with the CIELCh color 44, 10.784, 115.552.

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, 10.784, 115.552

Protanopia

44, 10.462, 94.097

Deuteranopia

44, 10.729, 57.655



Tritanopia
44, 4.965, 304.930

Trichromacy



Original Color
44, 10.784, 115.552

Protanomaly
44, 10.738, 103.949

Deuteranomaly
44, 9.159, 77.213

Tritanomaly
44, 0.718, 74.885

Monochromacy



Original Color
44, 10.784, 115.552

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 4.205, 115.308

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 10.784, 115.552 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(103, 106, 88)` looks like.

```
.text, #text, p{  
    color:rgb(103, 106, 88)  
}
```

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(103, 106, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 106, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 10.784, 115.552 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(103, 106, 88) }
```

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

```
.border{ border-color:rgb(103, 106, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 106, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 106, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 106, 88);  
box-shadow:4px 4px 4px 4px rgb(103, 106,  
88) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 10.784, 115.552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 106, 88) }
```

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

```
.background{ background-color: rgb(103,  
106, 88) }
```

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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