

Converting Colors

CIELCh(44, 0.609, 155.672)

Have a look what the booklet for
CIELCh(44, 0.609, 155.672) contains.

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Color

CIELCh(44, 0.410, 200.192)

Conversions

Conversions Part 1

Format	Color
Hex	676868
RGB	103, 104, 104
RGB Percent	40%, 41%, 41%
CMY	0.5953, 0.5914, 0.5914
CMYK	0.01, 0.00, 0.00, 0.59
HSL	180°, 0%, 41%
HSV	180°, 1%, 41%
XYZ	13.0942, 13.8382, 15.1294
YIQ	103.7010, -0.5960, -0.2120

Conversions

Conversions Part 2

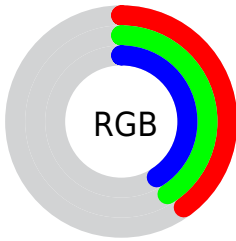
Format	Color
R _Y B	103, 104, 104
Decimal	6776936
CIE Lab	44.00, -0.38, -0.14
CIE LCh	44, 0.410, 200.192
Yxy	13.8382, 0.3113, 0.3290
Android (android.graphics.Color)	4284967016 (0xFF676868)
YUV	103.7010, 0.1474, -0.6148
Hunter-Lab	37.1997, -2.2682, 1.9262

Details

The CIELCh color $44, 0.410, 200.192$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $44, 0.415, 18.480$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $64, 0.381, 200.568$, and $24, 0.453, 199.826$ is the 20% darker color. If you saturate the color by 10%, you get $43, 4.585, 198.761$, and if you desaturate by 10%, it is $45, 3.934, 19.654$.

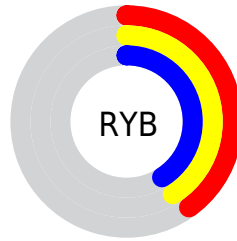
Distribution



Red (40%)

Green (41%)

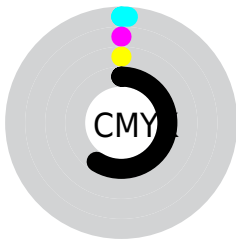
Blue (41%)



Red (40%)

Yellow (41%)

Blue (41%)

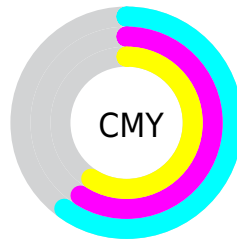


Cyan (1%)

Magenta (0%)

Yellow (0%)

Black (59%)



Cyan (60%)













Magenta (59%)


Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 0.410, 200.192 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, 0.410, 200.192 by changing the saturation by 10% instead.

 44, 0.410, 200.192	 44, 0.410, 200.192
 100, 0.410, 200.192	 34, 0.410, 200.192
 64, 0.410, 200.192	 24, 0.410, 200.192
 74, 0.410, 200.192	 14, 0.410, 200.192
 84, 0.410, 200.192	 4, 0.410, 200.192
 94, 0.410, 200.192	 0, 0.410, 200.192

 44, 0.410, 200.192	 44, 0.410, 200.192
 43, 4.585, 198.761	 45, 3.934, 19.654
 42, 8.534, 198.246	 46, 8.401, 20.262

■ 42, 12.197,
197.793

■ 47, 12.948, 20.854

■ 41, 15.513,
197.393

■ 48, 17.541, 21.447

■ 49, 22.152, 22.043

■ 41, 18.424,
197.045

■ 51, 26.761, 22.636

■ 40, 20.881,
196.753

■ 52, 31.349, 23.226

■ 53, 35.907, 23.808

■ 40, 22.849,
196.518

■ 55, 40.424, 24.381

■ 40, 24.315,
196.338

■ 40, 25.291,
196.211

Harmonies

Complementary

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



44, 0.410, 200.192



44, 0.415, 18.480

Rectangle

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



44, 0.410, 200.192



44, 0.410, 250.192



44, 0.410, 20.192



44, 0.410, 70.192

Sweetspot

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



44, 0.411, 200.035



56, 0.007, 296.813



44, 0.724, 144.169



29, 0.005, 296.813



79, 0.010, 296.813

Same Dimension

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



44, 0.411, 200.035



56, 0.529, 199.978



44, 0.362, 254.352



21, 0.235, 200.107



43, 27.832, 196.113



87, 48.271, 196.097

Inverse Universe

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



44, 0.415, 18.480



56, 0.533, 18.537



44, 0.354, 72.816



21, 0.238, 18.409



22, 55.848, 37.278



51, 100.514, 39.945

Previews

White Background



This preview shows how the CIELCh color 44, 0.410, 200.192 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, 0.410, 200.192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

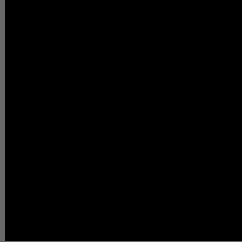
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

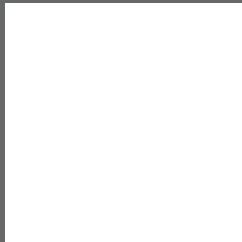
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 44, 0.410, 200.192

Background



This preview shows how black text looks on a background with the CIELCh color 44, 0.410, 200.192.



This preview shows how white text looks on a background with the CIELCh color 44, 0.410, 200.192.

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, 0.410, 200.192

Protanopia

44, 1.385, 353.722

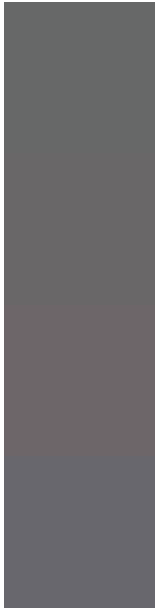
Deuteranopia

44, 5.549, 354.589



Tritanopia
44, 4.824, 295.635

Trichromacy



Original Color

44, 0.410, 200.192

Protanomaly

44, 1.029, 343.550

Deuteranomaly

44, 3.423, 348.138

Tritanomaly

44, 3.630, 297.087

Monochromacy



Original Color

44, 0.410, 200.192

Achromatopsia

44, 0.006, 296.813

Achromatomaly

44, 0.006, 296.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 0.410, 200.192 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, 104, 104)` looks like.

```
.text, #text, p{  
    color:rgb(103, 104, 104)  
}
```

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, 104, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 104, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 0.410, 200.192 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, 104, 104) }
```

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

```
.border{ border-color:rgb(103, 104, 104) }
```

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

Here you see how a box with a 4 pixel rgb(103, 104, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 104, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 104, 104);  
box-shadow:4px 4px 4px 4px rgb(103, 104,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 0.410, 200.192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 104, 104) }
```

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

```
.background{ background-color: rgb(103,  
104, 104) }
```

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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