

Converting Colors

CIELCh(41, 4.585, 55.294)

Have a look what the booklet for
CIELCh(41, 4.585, 55.294) contains.

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Color

CIELCh(41, 4.568, 51.650)

Conversions

Conversions Part 1

Format	Color
Hex	685F5B
RGB	104, 95, 91
RGB Percent	41%, 37%, 36%
CMY	0.5924, 0.6277, 0.6434
CMYK	0.00, 0.09, 0.13, 0.59
HSL	18°, 7%, 38%
HSV	18°, 13%, 41%
XYZ	11.6717, 11.8645, 11.5566
YIQ	97.2350, 6.6480, 0.6640

Conversions

Conversions Part 2

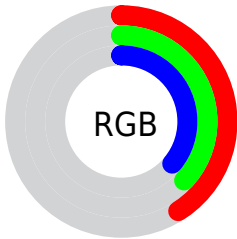
Format	Color
RYB	104, 97, 91
Decimal	6840155
CIELab	41.00, 2.83, 3.58
CIELCh	41, 4.568, 51.650
Yxy	11.8645, 0.3326, 0.3381
Android (android.graphics.Color)	4285030235 (0xFF685F5B)
YUV	97.2350, -3.0739, 5.9329
Hunter-Lab	34.4449, 0.2061, 4.2191

Details

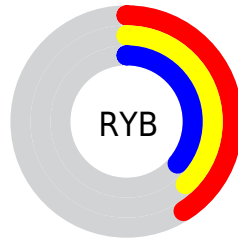
The CIELCh color $41, 4.568, 51.650$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $42, 4.288, 233.551$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $61, 4.546, 49.179$, and $21, 4.765, 54.268$ is the 20% darker color. If you saturate the color by 10%, you get $39, 8.517, 51.115$, and if you desaturate by 10%, it is $43, 0.883, 52.017$.

Distribution



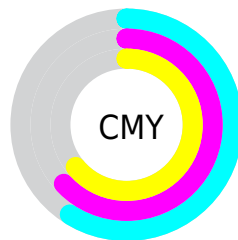
- Red (41%)
- Green (37%)
- Blue (36%)



- Red (41%)
- Yellow (38%)
- Blue (36%)



- Cyan (0%)
- Magenta (9%)
- Yellow (13%)
- Black (59%)



- Cyan (59%)
- Magenta (63%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 4.568, 51.650 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 41, 4.568, 51.650 by changing the saturation by 10% instead.

 41, 4.568, 51.650	 41, 4.568, 51.650
 100, 4.568, 51.650	 31, 4.568, 51.650
 61, 4.568, 51.650	 21, 4.568, 51.650
 71, 4.568, 51.650	 11, 4.568, 51.650
 81, 4.568, 51.650	 1, 4.568, 51.650
 91, 4.568, 51.650	 0, 4.568, 51.650

 41, 4.568, 51.650	 41, 4.568, 51.650
 39, 8.517, 51.115	 43, 0.883, 52.017
 36, 12.754, 50.608	 46, 2.564, 233.158
 34, 17.295, 50.178	 48, 5.798, 233.777

■ 32, 22.146, 49.843

■ 51, 8.842, 234.454

■ 30, 27.286, 49.608

■ 53, 11.720,
235.143

■ 28, 32.648, 49.452

■ 56, 14.450,
235.831

■ 26, 38.066, 49.289

■ 25, 42.966, 48.656

■ 58, 17.051,
236.510

■ 24, 46.197, 48.075

■ 60, 19.538,
237.175

■ 63, 21.924,
237.825

Harmonies

Complementary

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



41, 4.568, 51.650



42, 4.288, 233.551

Rectangle

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



41, 4.568, 51.650



41, 4.568, 101.650



41, 4.568, 231.650



41, 4.568, 281.650

Sweetspot

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



41, 4.568, 51.669



55, 1.759, 52.052



40, 7.773, 335.066



28, 1.263, 52.041



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



41, 4.568, 51.669



52, 6.868, 51.506



43, 6.324, 99.054



20, 1.994, 51.863



26, 50.471, 48.369



56, 91.137, 47.239

Inverse Universe

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



42, 4.288, 233.551



53, 6.344, 233.800



40, 6.410, 281.847



20, 1.909, 233.279



32, 26.956, 255.205



65, 48.117, 258.520

Previews

White Background



This preview shows how the CIELCh color 41, 4.568, 51.650 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 41, 4.568, 51.650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

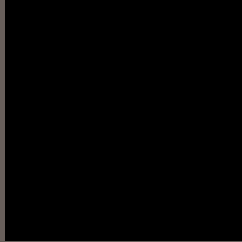
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 4.568, 51.650

Background



This preview shows how black text looks on a background with the CIELCh color 41, 4.568, 51.650.

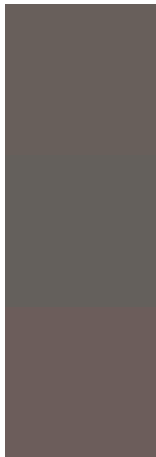


This preview shows how white text looks on a background with the CIELCh color 41, 4.568, 51.650.

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

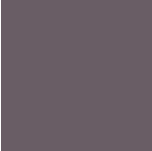
41, 4.568, 51.650

Protanopia

41, 2.950, 74.438

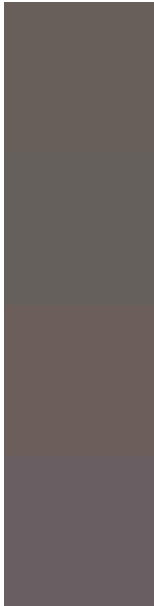
Deuteranopia

41, 6.618, 30.685



Tritanopia
41, 6.990, 336.395

Trichromacy



Original Color

41, 4.568, 51.650

Protanomaly

41, 3.217, 68.157

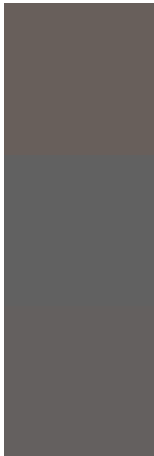
Deuteranomaly

41, 5.917, 37.829

Tritanomaly

41, 4.998, 358.760

Monochromacy



Original Color

41, 4.568, 51.650

Achromatopsia

41, 0.006, 296.813

Achromatomaly

41, 1.787, 39.199

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 4.568, 51.650 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(104, 95, 91)` looks like.

```
.text, #text, p{  
    color:rgb(104, 95, 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(104, 95, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 95, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 4.568, 51.650 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(104, 95, 91) }
```

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

```
.border{ border-color:rgb(104, 95, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 95, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 95, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 95, 91);  
box-shadow:4px 4px 4px 4px rgb(104, 95,  
91) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 4.568, 51.650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 95, 91) }
```

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

```
.background{ background-color: rgb(104, 95,  
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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