

Converting Colors

CIELCh(25, 6.507, 16.366)

Have a look what the booklet for
CIELCh(25, 6.507, 16.366) contains.

CIELCh(25, 6.604, 14.976)	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(25, 6.604, 14.976)

Conversions

Conversions Part 1

Format	Color
Hex	463839
RGB	70, 56, 57
RGB Percent	27%, 22%, 22%
CMY	0.7258, 0.7807, 0.7767
CMYK	0.00, 0.20, 0.19, 0.73
HSL	356°, 11%, 25%
HSV	356°, 20%, 27%
XYZ	4.6679, 4.4155, 4.4678
YIQ	60.3000, 8.0230, 3.2790

Conversions

Conversions Part 2

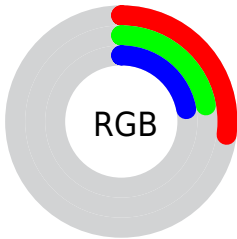
Format	Color
RYB	70, 56, 57
Decimal	4601913
CIELab	25.00, 6.38, 1.71
CIELCh	25, 6.604, 14.976
Yxy	4.4155, 0.3445, 0.3258
Android (android.graphics.Color)	4282791993 (0xFF463839)
YUV	60.3000, -1.6269, 8.5069
Hunter-Lab	21.0130, 2.8796, 2.1027

Details

The CIELCh color **25, 6.604, 14.976** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **28, 5.975, 192.264**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 6.764, 15.192**, and **5, 6.361, 15.002** is the 20% darker color. If you saturate the color by 10%, you get **23, 10.200, 16.006**, and if you desaturate by 10%, it is **27, 3.204, 14.110**.

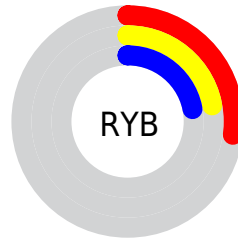
Distribution



Red (27%)

Green (22%)

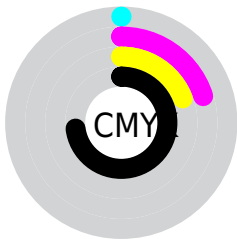
Blue (22%)



Red (27%)

Yellow (22%)

Blue (22%)

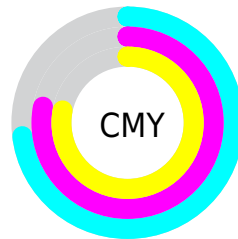


Cyan (0%)

Magenta (20%)

Yellow (19%)

Black (73%)



Cyan (73%)

Magenta (78%)

Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 6.604, 14.976 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 25, 6.604, 14.976 by changing the saturation by 10% instead.

 25, 6.604, 14.976  25, 6.604, 14.976

 100, 6.604, 14.976  15, 6.604, 14.976

 45, 6.604, 14.976  5, 6.604, 14.976

 55, 6.604, 14.976  0, 6.604, 14.976

 65, 6.604, 14.976

 75, 6.604, 14.976

 85, 6.604, 14.976

 95, 6.604, 14.976

 25, 6.604, 14.976  25, 6.604, 14.976

 23, 10.200, 16.006  27, 3.204, 14.110

21, 13.977, 17.252

30, 0.007, 333.989

19, 17.894, 18.792

32, 2.999, 192.995

17, 21.887, 20.708

34, 5.823, 192.453

15, 25.866, 23.090

37, 8.480, 192.006

14, 29.602, 25.528

39, 10.986,
191.621

12, 32.622, 26.720

42, 13.357,
191.283

11, 35.484, 26.473

44, 15.606,
190.985

47, 17.748,
190.717

Harmonies

Complementary

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



25, 6.604, 14.976



28, 5.975, 192.264

Rectangle

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



25, 6.604, 14.976



25, 6.604, 64.976



25, 6.604, 194.976



25, 6.604, 244.976

Sweetspot

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



25, 6.603, 14.983



37, 2.378, 13.785



25, 10.807, 323.050



18, 1.555, 13.802



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



25, 6.603, 14.983



32, 10.074, 15.469



27, 5.419, 63.979



13, 1.806, 13.993



19, 47.972, 32.763



47, 92.866, 37.689

Inverse Universe

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



25, 6.603, 14.983



32, 10.074, 15.469



27, 5.049, 248.167



13, 1.806, 13.993



19, 47.972, 32.763



47, 92.866, 37.689

Previews

White Background



This preview shows how the CIELCh color 25, 6.604, 14.976 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 ✓ Pass

Black Background



This preview shows how the CIE LCh color 25, 6.604, 14.976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

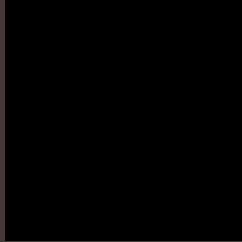
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 6.604, 14.976

Background



This preview shows how black text looks on a background with the CIELCh color 25, 6.604, 14.976.

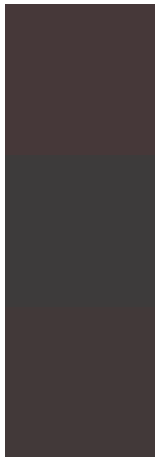


This preview shows how white text looks on a background with the CIELCh color 25, 6.604, 14.976.

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

25, 6.604, 14.976

Protanopia

25, 0.911, 19.315

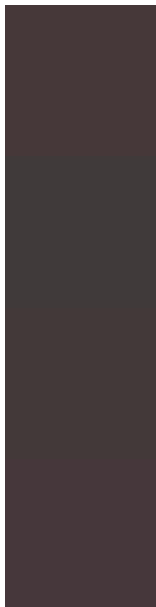
Deuteranopia

25, 4.196, 20.134



Tritanopia
25, 7.654, 355.576

Trichromacy



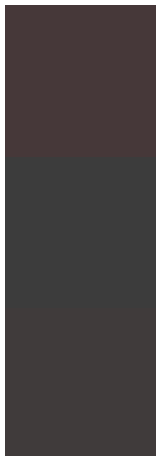
Original Color
25, 6.604, 14.976

Protanomaly
25, 2.770, 19.832

Deuteranomaly
25, 4.672, 20.229

Tritanomaly
25, 7.431, 0.231

Monochromacy



Original Color
25, 6.604, 14.976

Achromatopsia
25, 0.004, 296.813

Achromatomaly
25, 2.296, 19.721

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 6.604, 14.976 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(70, 56, 57)` looks like.

```
.text, #text, p{  
    color:rgb(70, 56, 57)  
}
```

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(70, 56, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 56, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 6.604, 14.976 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(70, 56, 57) }
```

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

```
.border{ border-color:rgb(70, 56, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 56, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 56, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 56, 57);  
box-shadow:4px 4px 4px 4px rgb(70, 56, 57)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 6.604, 14.976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 56, 57) }
```

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

```
.background{ background-color: rgb(70, 56,  
57) }
```

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