

Converting Colors

CIELCh(25, 6.371, 21.915)

Have a look what the booklet for
CIELCh(25, 6.371, 21.915) contains.

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Color

CIELCh(25, 6.612, 20.625)

Conversions

Conversions Part 1

Format	Color
Hex	463838
RGB	70, 56, 56
RGB Percent	27%, 22%, 22%
CMY	0.7255, 0.7804, 0.7804
CMYK	0.00, 0.20, 0.20, 0.73
HSL	0°, 11%, 25%
HSV	0°, 20%, 27%
XYZ	4.6533, 4.4155, 4.3480
YIQ	60.1860, 8.3440, 2.9680

Conversions

Conversions Part 2

Format	Color
RYB	70, 56, 56
Decimal	4601912
CIELab	25.00, 6.19, 2.33
CIELCh	25, 6.612, 20.625
Yxy	4.4155, 0.3468, 0.3291
Android (android.graphics.Color)	4282791992 (0xFF463838)
YUV	60.1860, -2.0637, 8.6069
Hunter-Lab	21.0130, 2.7554, 2.4410

Details

The CIELCh color **25, 6.612, 20.625** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **29, 5.890, 198.520**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 6.761, 20.202**, and **5, 6.336, 19.395** is the 20% darker color. If you saturate the color by 10%, you get **23, 10.263, 21.525**, and if you desaturate by 10%, it is **27, 3.192, 19.895**.

Distribution



Red (27%)

Green (22%)

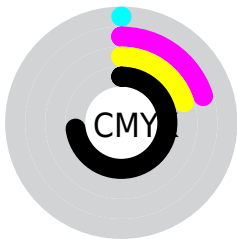
Blue (22%)



Red (27%)

Yellow (22%)

Blue (22%)



Cyan (0%)

Magenta (20%)

Yellow (20%)

Black (73%)



Cyan (73%)

Magenta (78%)

Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 6.612, 20.625 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, 6.612, 20.625 by changing the saturation by 10% instead.

 25, 6.612, 20.625  25, 6.612, 20.625

 100, 6.612, 20.625  15, 6.612, 20.625

 45, 6.612, 20.625  5, 6.612, 20.625

 55, 6.612, 20.625  0, 6.612, 20.625

 65, 6.612, 20.625

 75, 6.612, 20.625

 85, 6.612, 20.625

 95, 6.612, 20.625

 25, 6.612, 20.625  25, 6.612, 20.625

 23, 10.263, 21.525  27, 3.192, 19.895

■ 21, 14.137, 22.644

■ 30, 0.005, 296.775

■ 18, 18.204, 24.063

■ 32, 2.976, 199.060

■ 17, 22.406, 25.859

■ 35, 5.754, 198.654

■ 15, 26.653, 28.087

■ 37, 8.354, 198.341

■ 14, 30.385, 29.362

■ 39, 10.793,
198.087

■ 12, 33.306, 29.615

■ 42, 13.090,
197.878

■ 11, 36.233, 29.379

■ 11, 36.233, 29.379

■ 44, 15.261,
197.702

■ 47, 17.321,
197.555

Harmonies

Complementary

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



25, 6.612, 20.625



29, 5.890, 198.520

Rectangle

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



25, 6.612, 20.625



25, 6.612, 70.625



25, 6.612, 200.625



25, 6.612, 250.625

Sweetspot

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



25, 6.611, 20.633



37, 2.367, 19.621



25, 11.075, 325.403



18, 1.548, 19.635



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, 6.611, 20.633



32, 10.109, 21.054



27, 5.622, 73.212



13, 1.799, 19.797



19, 49.400, 35.625



47, 95.756, 40.001

Inverse Universe

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



29, 5.890, 198.520



37, 8.726, 198.298



26, 5.369, 257.935



14, 1.715, 199.096



38, 25.118, 196.402



82, 45.882, 196.403

Previews

White Background



This preview shows how the CIELCh color 25, 6.612, 20.625 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, 6.612, 20.625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

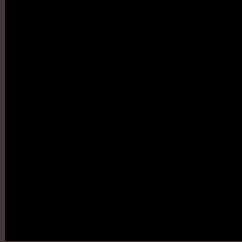
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 6.612, 20.625

Background



This preview shows how black text looks on a background with the CIELCh color 25, 6.612, 20.625.

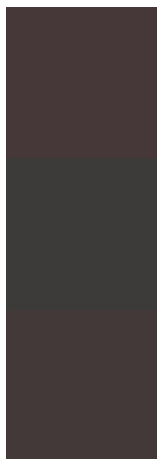


This preview shows how white text looks on a background with the CIELCh color 25, 6.612, 20.625.

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, 6.612, 20.625

Protanopia

25, 1.121, 55.173

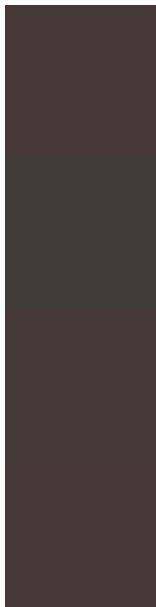
Deuteranopia

25, 4.745, 28.128



Tritanopia
25, 7.654, 355.576

Trichromacy



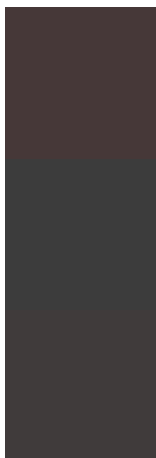
Original Color
25, 6.612, 20.625

Protanomaly
25, 2.859, 33.064

Deuteranomaly
25, 5.222, 27.486

Tritanomaly
25, 7.431, 0.231

Monochromacy



Original Color
25, 6.612, 20.625

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 CIE LCh 25, 6.612, 20.625 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, 56)` looks like.

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

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, 56) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 25, 6.612, 20.625 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, 56) }
```

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

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

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, 56)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 25, 6.612, 20.625 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, 56) }
```

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

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

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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