

Converting Colors

CIELCh(28, 8.605, 62.277)

Have a look what the booklet for
CIELCh(28, 8.605, 62.277) contains.

CIELCh(28, 8.578, 62.306)	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(28, 8.578, 62.306)

Conversions

Conversions Part 1

Format	Color
Hex	4D4037
RGB	77, 64, 55
RGB Percent	30%, 25%, 22%
CMY	0.6996, 0.7505, 0.7858
CMYK	0.00, 0.17, 0.29, 0.70
HSL	25°, 17%, 26%
HSV	25°, 29%, 30%
XYZ	5.5211, 5.4574, 4.3301
YIQ	66.8610, 10.6370, -0.0430

Conversions

Conversions Part 2

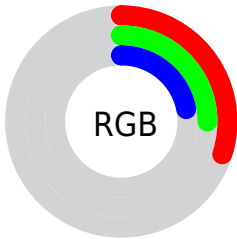
Format	Color
R_{YB}	77, 70, 55
Decimal	5062711
CIE Lab	28.00, 3.99, 7.60
CIE LCh	28, 8.578, 62.306
Yxy	5.4574, 0.3607, 0.3565
Android (android.graphics.Color)	4283252791 (0xFF4D4037)
YUV	66.8610, -5.8475, 8.8919
Hunter-Lab	23.3610, 1.3045, 5.3630

Details

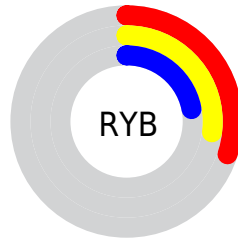
The CIELCh color $[28, 8.578, 62.306]$ is a dark color, and the websafe version is hex 333333 . A complement of this color would be $[28, 7.678, 248.507]$, and the grayscale version is $[28, 0.004, 296.813]$.

A 20% lighter version of the original color is $[48, 8.403, 63.928]$, and $[8, 8.862, 64.581]$ is the 20% darker color. If you saturate the color by 10%, you get $[26, 11.905, 61.423]$, and if you desaturate by 10%, it is $[30, 5.432, 63.221]$.

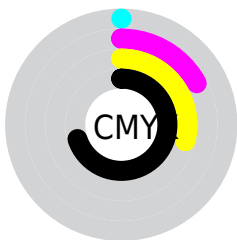
Distribution



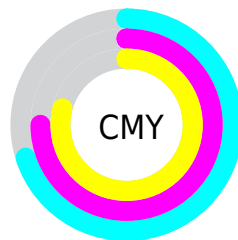
- Red (30%)
- Green (25%)
- Blue (22%)



- Red (30%)
- Yellow (27%)
- Blue (22%)



- Cyan (0%)
- Magenta (17%)
- Yellow (29%)
- Black (70%)



- Cyan (70%)
- Magenta (75%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 8.578, 62.306 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 28, 8.578, 62.306 by changing the saturation by 10% instead.

 28, 8.578, 62.306  28, 8.578, 62.306

 100, 8.578, 62.306  18, 8.578, 62.306

 48, 8.578, 62.306  8, 8.578, 62.306

 58, 8.578, 62.306  0, 8.578, 62.306

 68, 8.578, 62.306

 78, 8.578, 62.306

 88, 8.578, 62.306

 98, 8.578, 62.306

 28, 8.578, 62.306  28, 8.578, 62.306

 26, 11.905, 61.423  30, 5.432, 63.221

■ 25, 15.417, 60.557

■ 31, 2.456, 64.107

■ 24, 19.108, 59.719

■ 33, 0.365, 245.737

■ 22, 22.948, 58.896

■ 34, 3.046, 246.142

■ 21, 26.847, 58.027

■ 36, 5.600, 247.033

■ 20, 30.033, 56.252

■ 38, 8.043, 247.928

■ 18, 32.852, 54.411

■ 39, 10.385,
248.808

■ 18, 33.222, 54.206

■ 41, 12.639,
249.666

■ 43, 14.814,
250.498

Harmonies

Complementary

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



28, 8.578, 62.306



28, 7.678, 248.507

Rectangle

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



28, 8.578, 62.306



28, 8.578, 112.306



28, 8.578, 242.306



28, 8.578, 292.306

Sweetspot

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



28, 8.578, 62.315



40, 3.164, 64.053



26, 13.020, 340.711



20, 2.222, 63.978



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



28, 8.578, 62.315



35, 12.858, 61.727



31, 12.486, 103.066



14, 1.576, 64.109



25, 43.640, 55.077



57, 82.603, 53.204

Inverse Universe

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



28, 7.678, 248.507



35, 11.181, 249.573



24, 13.096, 289.087



14, 1.531, 245.973



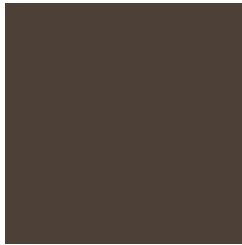
24, 29.297, 270.524



55, 56.083, 274.362

Previews

White Background



This preview shows how the CIELCh color 28, 8.578, 62.306 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 28, 8.578, 62.306 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

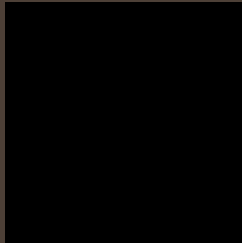
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 8.578, 62.306

Background



This preview shows how black text looks on a background with the CIELCh color 28, 8.578, 62.306.



This preview shows how white text looks on a background with the CIELCh color 28, 8.578, 62.306.

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

28, 8.578, 62.306

Protanopia

28, 6.709, 92.558

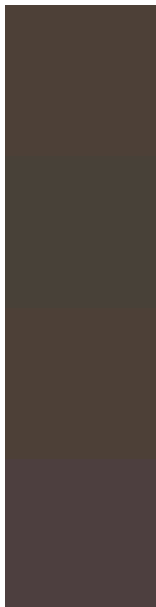
Deuteranopia

28, 8.578, 62.306



Tritanopia
28, 7.931, 356.942

Trichromacy



Original Color
28, 8.578, 62.306

Protanomaly
28, 6.695, 79.311

Deuteranomaly
28, 8.578, 62.306

Tritanomaly
28, 6.472, 20.503

Monochromacy



Original Color
28, 8.578, 62.306

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 2.995, 59.826

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 8.578, 62.306 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(77, 64, 55)` looks like.

```
.text, #text, p{  
    color:rgb(77, 64, 55)  
}
```

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(77, 64, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 64, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 8.578, 62.306 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(77, 64, 55) }
```

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

```
.border{ border-color:rgb(77, 64, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 64, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 64, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 64, 55);  
box-shadow:4px 4px 4px 4px rgb(77, 64, 55)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 8.578, 62.306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 64, 55) }
```

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

```
.background{ background-color: rgb(77, 64,  
55) }
```

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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