

Converting Colors

CIELCh(40, 1.999, 34.281)

Have a look what the booklet for
CIELCh(40, 1.999, 34.281) contains.

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Color

CIELCh(40, 2.206, 35.510)

Conversions

Conversions Part 1

Format	Color
Hex	625D5C
RGB	98, 93, 92
RGB Percent	38%, 36%, 36%
CMY	0.6148, 0.6345, 0.6384
CMYK	0.00, 0.05, 0.06, 0.61
HSL	10°, 3%, 37%
HSV	10°, 6%, 39%
XYZ	10.9342, 11.2510, 11.7691
YIQ	94.3810, 3.3010, 0.7490

Conversions

Conversions Part 2

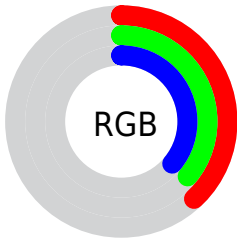
Format	Color
RYB	98, 93, 92
Decimal	6446428
CIELab	40.00, 1.80, 1.28
CIELCh	40, 2.206, 35.510
Yxy	11.2510, 0.3220, 0.3314
Android (android.graphics.Color)	4284636508 (0xFF625D5C)
YUV	94.3810, -1.1738, 3.1739
Hunter-Lab	33.5425, -0.5120, 2.6765

Details

The CIELCh color $[40, 2.206, 35.510]$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $[41, 2.129, 215.933]$, and the grayscale version is $[40, 0.006, 296.813]$.

A 20% lighter version of the original color is $[60, 2.417, 32.917]$, and $[20, 2.493, 35.570]$ is the 20% darker color. If you saturate the color by 10%, you get $[37, 6.043, 35.660]$, and if you desaturate by 10%, it is $[43, 1.353, 216.000]$.

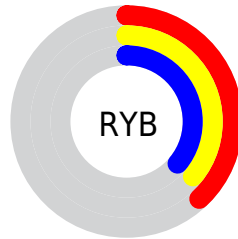
Distribution



Red (38%)

Green (36%)

Blue (36%)



Red (38%)

Yellow (36%)

Blue (36%)

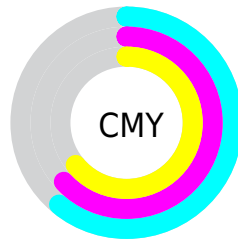


Cyan (0%)

Magenta (5%)

Yellow (6%)

Black (61%)



Cyan (61%)

Magenta (63%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 2.206, 35.510 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 40, 2.206, 35.510 by changing the saturation by 10% instead.

■ 40, 2.206, 35.510 ■ 40, 2.206, 35.510

■ 100, 2.206, 35.510 ■ 30, 2.206, 35.510

■ 60, 2.206, 35.510 ■ 20, 2.206, 35.510

■ 70, 2.206, 35.510 ■ 10, 2.206, 35.510

■ 80, 2.206, 35.510 ■ 0, 2.206, 35.510

■ 90, 2.206, 35.510

■ 40, 2.206, 35.510 ■ 40, 2.206, 35.510

■ 37, 6.043, 35.660 ■ 43, 1.353, 216.000

■ 35, 10.185, 35.817 ■ 45, 4.658, 215.958

■ 32, 14.647, 36.108 ■ 48, 7.737, 216.110

■ 30, 19.435, 36.575

■ 51, 10.615,
216.313

■ 27, 24.535, 37.259

■ 54, 13.315,
216.547

■ 25, 29.899, 38.186

■ 23, 35.425, 39.349

■ 56, 15.858,
216.800

■ 22, 40.775, 40.439

■ 59, 18.263,
217.066

■ 20, 44.926, 40.435

■ 62, 20.545,
217.339

■ 65, 22.720,
217.615

Harmonies

Complementary

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



40, 2.206, 35.510



41, 2.129, 215.933

Rectangle

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



40, 2.206, 35.510



40, 2.206, 85.510



40, 2.206, 215.510



40, 2.206, 265.510

Sweetspot

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



40, 2.205, 35.543



53, 0.880, 35.261



40, 3.970, 329.689



27, 0.496, 35.217



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



40, 2.205, 35.543



51, 3.144, 35.564



41, 2.557, 90.368



19, 1.607, 35.562



23, 52.358, 41.574



52, 96.401, 42.234

Inverse Universe

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



41, 2.129, 215.933



52, 3.015, 215.924



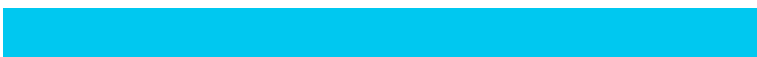
40, 2.563, 271.903



19, 1.542, 215.925



36, 23.768, 226.759



74, 41.558, 228.945

Previews

White Background



This preview shows how the CIELCh color 40, 2.206, 35.510 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 40, 2.206, 35.510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

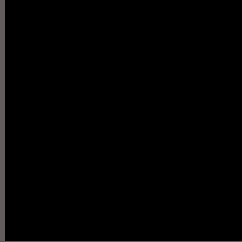
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

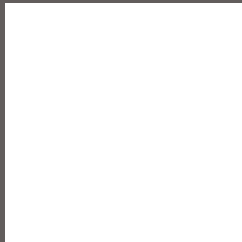
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 2.206, 35.510

Background



This preview shows how black text looks on a background with the CIELCh color 40, 2.206, 35.510.

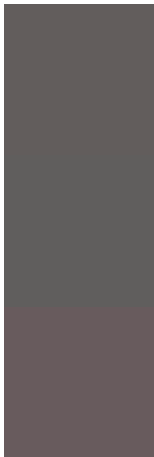


This preview shows how white text looks on a background with the CIELCh color 40, 2.206, 35.510.

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

40, 2.206, 35.510

Protanopia

40, 1.032, 55.191

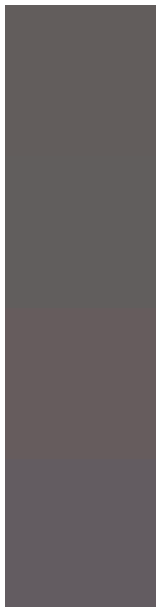
Deuteranopia

40, 5.694, 7.857



Tritanopia
40, 5.192, 324.773

Trichromacy



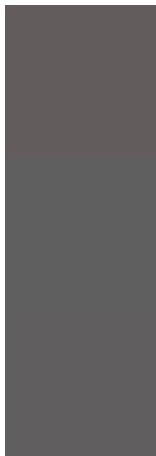
Original Color
40, 2.206, 35.510

Protanomaly
40, 1.399, 45.027

Deuteranomaly
40, 4.311, 11.840

Tritanomaly
40, 4.249, 334.109

Monochromacy



Original Color
40, 2.206, 35.510

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 0.841, 19.137

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 2.206, 35.510 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(98, 93, 92)` looks like.

```
.text, #text, p{  
    color:rgb(98, 93, 92)  
}
```

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(98, 93, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 93, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 2.206, 35.510 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(98, 93, 92) }
```

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

```
.border{ border-color:rgb(98, 93, 92) }
```

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

Here you see how a box with a 4 pixel rgb(98, 93, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 93, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 93, 92);  
box-shadow:4px 4px 4px 4px rgb(98, 93, 92)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 2.206, 35.510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 93, 92) }
```

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

```
.background{ background-color: rgb(98, 93,  
92) }
```

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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