

Converting Colors

CIELCh(40, 12.379, 284.458)

Have a look what the booklet for
CIELCh(40, 12.379, 284.458)
contains.

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Color

CIELCh(40, 12.870, 285.355)

Conversions

Conversions Part 1

Format	Color
Hex	595D72
RGB	89, 93, 114
RGB Percent	35%, 36%, 45%
CMY	0.6497, 0.6340, 0.5516
CMYK	0.22, 0.18, 0.00, 0.55
HSL	230°, 12%, 40%
HSV	230°, 22%, 45%
XYZ	11.1531, 11.2510, 17.6076
YIQ	94.1980, -9.1250, 5.6830

Conversions

Conversions Part 2

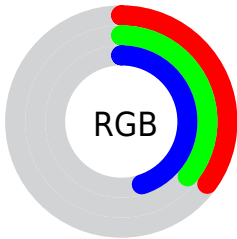
Format	Color
R_{YB}	89, 92, 114
Decimal	5856626
CIE Lab	40.00, 3.41, -12.41
CIE LCh	40, 12.870, 285.355
Yxy	11.2510, 0.2787, 0.2812
Android (android.graphics.Color)	4284046706 (0xFF595D72)
YUV	94.1980, 9.7624, -4.5586
Hunter-Lab	33.5425, 0.6530, -7.6436

Details

The CIELCh color $40, 12.870, 285.355$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $46, 12.498, 100.393$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 13.056, 285.291$, and $20, 13.006, 286.201$ is the 20% darker color. If you saturate the color by 10%, you get $36, 19.053, 286.875$, and if you desaturate by 10%, it is $44, 6.881, 284.047$.

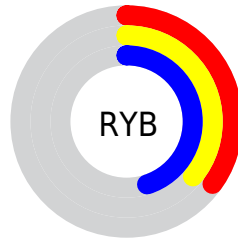
Distribution



 Red (35%)

 Green (36%)

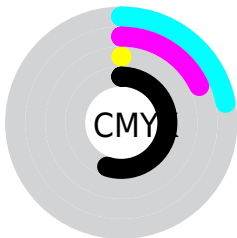
 Blue (45%)




 Red (35%)

 Yellow (36%)

 Blue (45%)

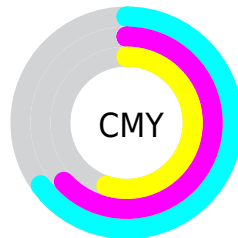


 Cyan (22%)

 Magenta (18%)

 Yellow (0%)

 Black (55%)



 Cyan (65%)

 Magenta (63%)

 Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 12.870, 285.355 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, 12.870, 285.355 by changing the saturation by 10% instead.

■ 40, 12.870,
285.355

■ 40, 12.870,
285.355

■ 100, 12.870,
285.355

■ 30, 12.870,
285.355

■ 60, 12.870,
285.355

■ 20, 12.870,
285.355

■ 70, 12.870,
285.355

■ 10, 12.870,
285.355

■ 80, 12.870,
285.355

■ 0, 12.870, 285.355

■ 90, 12.870,
285.355

■ 40, 12.870,

■ 40, 12.870,

285.355

36, 19.053,
286.875

33, 25.450,
288.642

29, 32.077,
290.676

25, 38.937,
292.982

22, 45.996,
295.523

18, 53.122,
298.202

16, 60.000,
300.836

14, 65.110,
302.605

285.355

44, 6.881, 284.047

47, 1.075, 282.986

51, 4.563, 101.904

55, 10.041,
101.065

59, 15.370,
100.326

62, 20.555, 99.675

66, 25.604, 99.101

69, 30.524, 98.591

73, 35.320, 98.136

Harmonies

Complementary

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



40, 12.870, 285.355



46, 12.498, 100.393

Rectangle

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



40, 12.870, 285.355



40, 12.870, 335.355



40, 12.870, 105.355



40, 12.870, 155.355

Sweetspot

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



40, 12.869, 285.353



58, 4.977, 283.503



46, 10.101, 184.035



29, 3.215, 283.544



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



40, 12.869, 285.353



49, 19.030, 286.053



40, 15.704, 304.300



22, 3.196, 283.706



15, 67.621, 302.733



34, 120.618, 304.014

Inverse Universe

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



41, 11.066, 8.409



50, 16.439, 8.986



47, 15.111, 121.910



22, 2.706, 7.046



24, 53.494, 30.133



52, 94.204, 33.289

Previews

White Background



This preview shows how the CIELCh color 40, 12.870, 285.355 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 CIELCh color 40, 12.870, 285.355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

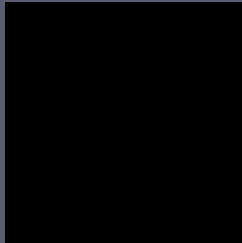
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

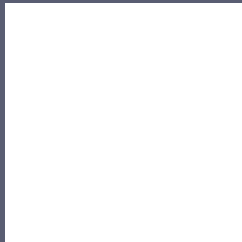
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 12.870, 285.355

Background



This preview shows how black text looks on a background with the CIELCh color 40, 12.870, 285.355.



This preview shows how white text looks on a background with the CIELCh color 40, 12.870, 285.355.

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, 12.870, 285.355

Protanopia

40, 12.839, 287.023

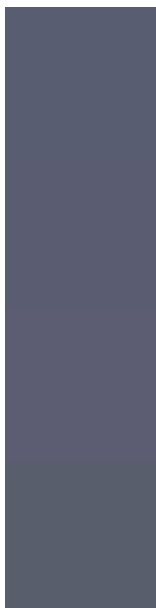
Deuteranopia

40, 14.062, 293.853



Tritanopia
40, 5.753, 257.439

Trichromacy



Original Color
40, 12.870, 285.355

Protanomaly
40, 12.839, 287.023

Deuteranomaly
40, 14.051, 292.304

Tritanomaly
40, 8.214, 274.812

Monochromacy



Original Color
40, 12.870, 285.355

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 4.888, 286.187

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 12.870, 285.355 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(89, 93, 114)` looks like.

```
.text, #text, p{  
    color:rgb(89, 93, 114)  
}
```

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(89, 93, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 93, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 12.870, 285.355 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(89, 93, 114) }
```

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

```
.border{ border-color:rgb(89, 93, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 93, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 93, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 93, 114);  
box-shadow:4px 4px 4px 4px rgb(89, 93,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 12.870, 285.355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 93, 114) }
```

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

```
.background{ background-color: rgb(89, 93,  
114) }
```

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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