

Converting Colors

CIELCh(40, 12.983, 289.736)

Have a look what the booklet for
CIELCh(40, 12.983, 289.736)
contains.

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Color

CIELCh(40, 12.819, 288.707)

Conversions

Conversions Part 1

Format	Color
Hex	5B5D72
RGB	91, 93, 114
RGB Percent	36%, 36%, 45%
CMY	0.6434, 0.6355, 0.5532
CMYK	0.20, 0.18, 0.00, 0.55
HSL	235°, 11%, 40%
HSV	235°, 20%, 45%
XYZ	11.2495, 11.2510, 17.4776
YIQ	94.7960, -7.9330, 6.1070

Conversions

Conversions Part 2

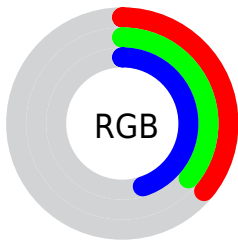
Format	Color
R_{YB}	91, 93, 114
Decimal	5987698
CIE _{Lab}	40.00, 4.11, -12.14
CIE _{LCh}	40, 12.819, 288.707
Yxy	11.2510, 0.2814, 0.2814
Android (android.graphics.Color)	4284177778 (0xFF5B5D72)
YUV	94.7960, 9.4676, -3.3291
Hunter-Lab	33.5425, 1.1662, -7.4138

Details

The CIELCh color $40, 12.819, 288.707$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $47, 12.368, 104.428$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 13.010, 288.446$, and $20, 12.952, 289.640$ is the 20% darker color. If you saturate the color by 10%, you get $36, 19.516, 290.118$, and if you desaturate by 10%, it is $44, 6.359, 287.496$.

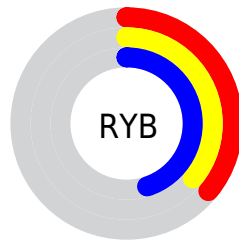
Distribution



Red (36%)

Green (36%)

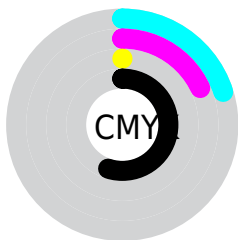
Blue (45%)



Red (36%)

Yellow (36%)

Blue (45%)

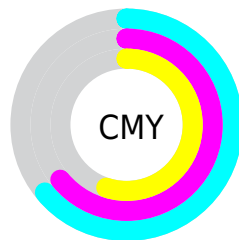


Cyan (20%)

Magenta (18%)

Yellow (0%)

Black (55%)



Cyan (64%)


Magenta (64%)


Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 12.819, 288.707 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, 12.819, 288.707 by changing the saturation by 10% instead.


 40, 12.819,
288.707


 40, 12.819,
288.707


 100, 12.819,
288.707


 30, 12.819,
288.707

 60, 12.819,
288.707


 20, 12.819,
288.707


 70, 12.819,
288.707


 10, 12.819,
288.707

 80, 12.819,
288.707

 0, 12.819, 288.707

 90, 12.819,
288.707

 40, 12.819,

 40, 12.819,

288.707

■ 36, 19.516,
290.118

■ 32, 26.472,
291.759

■ 28, 33.696,
293.649

■ 24, 41.176,
295.782

■ 21, 48.832,
298.112

■ 17, 56.429,
300.516

■ 14, 63.467,
302.782

■ 12, 69.165,
304.455

288.707

■ 44, 6.359, 287.496

■ 48, 0.120, 286.998

■ 52, 5.914, 105.533

■ 56, 11.756,
104.762

■ 60, 17.420,
104.089

■ 63, 22.914,
103.501

■ 67, 28.249,
102.985

■ 71, 33.433,
102.529

■ 75, 38.475,

Harmonies

Complementary

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



40, 12.819, 288.707



47, 12.368, 104.428

Rectangle

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



40, 12.819, 288.707



40, 12.819, 338.707



40, 12.819, 108.707



40, 12.819, 158.707

Sweetspot

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



40, 12.818, 288.705



58, 4.610, 287.064



46, 9.074, 189.706



29, 3.040, 287.111



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, 12.818, 288.705



49, 19.024, 289.305



40, 14.545, 306.522



21, 3.460, 287.364



13, 71.967, 304.556



32, 126.758, 305.428

Inverse Universe

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



41, 10.030, 13.898



51, 14.972, 14.382



47, 14.089, 124.546



22, 2.663, 12.815



24, 55.712, 34.265



52, 98.533, 37.228

Previews

White Background



This preview shows how the CIELCh color 40, 12.819, 288.707 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, 12.819, 288.707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

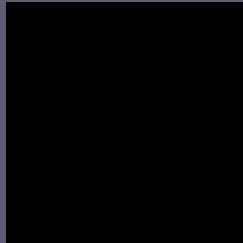
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

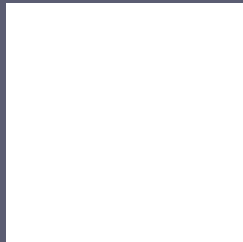
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 12.819, 288.707

Background



This preview shows how black text looks on a background with the CIELCh color 40, 12.819, 288.707.

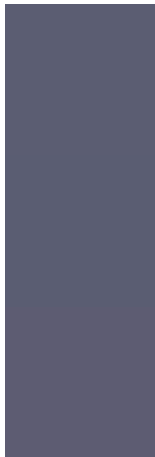


This preview shows how white text looks on a background with the CIELCh color 40, 12.819, 288.707.

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, 12.819, 288.707

Protanopia

40, 12.839, 287.023

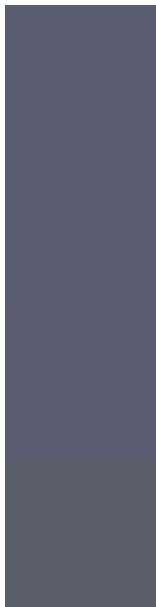
Deuteranopia

40, 13.453, 293.842



Tritanopia
40, 4.849, 261.128

Trichromacy



Original Color
40, 12.819, 288.707

Protanomaly
40, 12.839, 287.023

Deuteranomaly
40, 13.443, 292.216

Tritanomaly
40, 7.452, 279.076

Monochromacy



Original Color
40, 12.819, 288.707

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 4.878, 290.929

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 12.819, 288.707 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(91, 93, 114)` looks like.

```
.text, #text, p{  
    color:rgb(91, 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(91, 93, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 93, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 12.819, 288.707 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(91, 93, 114) }
```

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

```
.border{ border-color:rgb(91, 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(91, 93, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 93, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 93, 114);  
box-shadow:4px 4px 4px 4px rgb(91, 93,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 12.819, 288.707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 93, 114) }
```

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

```
.background{ background-color: rgb(91, 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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