

Converting Colors

CIELCh(40, 14.394, 259.073)

Have a look what the booklet for
CIELCh(40, 14.394, 259.073)
contains.

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Color

CIELCh(40, 14.231, 258.286)

Conversions

Conversions Part 1

Format	Color
Hex	4B6175
RGB	75, 97, 117
RGB Percent	29%, 38%, 46%
CMY	0.7071, 0.6208, 0.5425
CMYK	0.36, 0.17, 0.00, 0.54
HSL	209°, 22%, 38%
HSV	209°, 36%, 46%
XYZ	10.3143, 11.2510, 18.3568
YIQ	92.7020, -19.5320, 1.5560

Conversions

Conversions Part 2

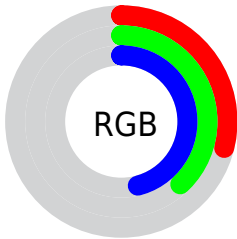
Format	Color
R _Y B	75, 89, 117
Decimal	4940149
CIE Lab	40.00, -2.89, -13.93
CIE LCh	40, 14.231, 258.286
Yxy	11.2510, 0.2584, 0.2818
Android (android.graphics.Color)	4283130229 (0xFF4B6175)
YUV	92.7020, 11.9789, -15.5247
Hunter-Lab	33.5425, -3.8107, -8.9678

Details

The CIELCh color $40, 14.231, 258.286$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $42, 15.900, 68.658$, and the grayscale version is $39, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 14.075, 256.723$, and $20, 14.260, 258.399$ is the 20% darker color. If you saturate the color by 10%, you get $38, 17.994, 260.501$, and if you desaturate by 10%, it is $42, 10.371, 256.418$.

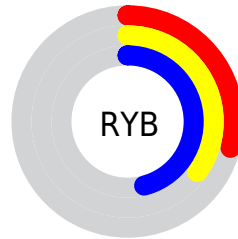
Distribution



Red (29%)

Green (38%)

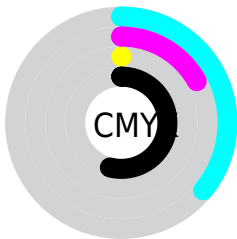
Blue (46%)



Red (29%)

Yellow (35%)

Blue (46%)

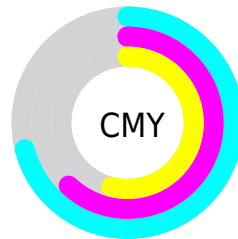


Cyan (36%)

Magenta (17%)

Yellow (0%)

Black (54%)



Cyan (71%)

Magenta (62%)

Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 14.231, 258.286 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, 14.231, 258.286 by changing the saturation by 10% instead.


 40, 14.231,
258.286


 40, 14.231,
258.286


 100, 14.231,
258.286


 30, 14.231,
258.286

 60, 14.231,
258.286


 20, 14.231,
258.286


 70, 14.231,
258.286


 10, 14.231,
258.286

 80, 14.231,
258.286

 0, 14.231, 258.286

 90, 14.231,
258.286

 40, 14.231,

 40, 14.231,

258.286

■ 38, 17.994,
260.501

■ 35, 21.656,
263.123

■ 33, 25.220,
266.197

■ 31, 28.713,
269.743

■ 28, 32.180,
273.735

■ 26, 35.700,
277.974

■ 26, 37.167,
279.537

258.286

■ 42, 10.371,
256.418

■ 45, 6.430, 254.854

■ 48, 2.425, 253.585

■ 50, 1.626, 72.181

■ 53, 5.708, 71.324

■ 55, 9.806, 70.507

■ 58, 13.908, 69.790

■ 61, 18.003, 69.160

■ 63, 22.084, 68.606

Harmonies

Complementary

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



40, 14.231, 258.286



42, 15.900, 68.658

Rectangle

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



40, 14.231, 258.286



40, 14.231, 308.286



40, 14.231, 78.286



40, 14.231, 128.286

Sweetspot

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



40, 14.230, 258.284



59, 5.468, 254.214



46, 21.417, 158.698



30, 3.700, 254.349



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



40, 14.230, 258.284



49, 20.766, 260.044



34, 25.480, 293.288



23, 2.285, 253.934



27, 38.647, 279.799



55, 69.001, 282.551

Inverse Universe

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



37, 22.049, 345.563



45, 32.348, 346.481



48, 23.527, 105.408



23, 3.405, 343.033



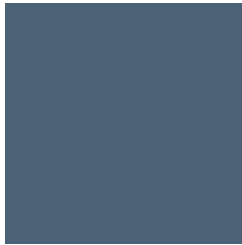
25, 49.672, 358.209



54, 83.690, 0.577

Previews

White Background



This preview shows how the CIE LCh color 40, 14.231, 258.286 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, 14.231, 258.286 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

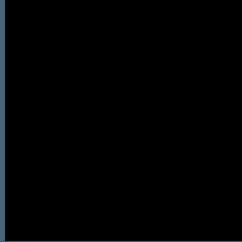
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

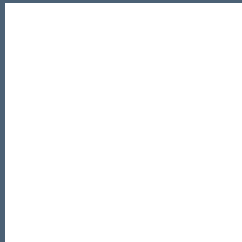
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 14.231, 258.286

Background



This preview shows how black text looks on a background with the CIELCh color 40, 14.231, 258.286.

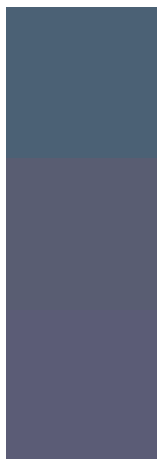


This preview shows how white text looks on a background with the CIELCh color 40, 14.231, 258.286.

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, 14.231, 258.286

Protanopia

40, 12.870, 285.355

Deuteranopia

40, 15.875, 291.223



Tritanopia
40, 10.716, 225.636

Trichromacy



Original Color
40, 14.231, 258.286

Protanomaly
40, 13.228, 275.773

Deuteranomaly
40, 14.901, 279.534

Tritanomaly
40, 11.530, 238.170

Monochromacy



Original Color
40, 14.231, 258.286

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 5.273, 253.587

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 14.231, 258.286 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(75, 97, 117)` looks like.

```
.text, #text, p{  
    color:rgb(75, 97, 117)  
}
```

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(75, 97, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 97, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 14.231, 258.286 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(75, 97, 117) }
```

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

```
.border{ border-color:rgb(75, 97, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 97, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 97, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 97, 117);  
box-shadow:4px 4px 4px 4px rgb(75, 97,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 14.231, 258.286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 97, 117) }
```

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

```
.background{ background-color: rgb(75, 97,  
117) }
```

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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