

Converting Colors

CIELCh(40, 15.676, 265.870)

Have a look what the booklet for
CIELCh(40, 15.676, 265.870)
contains.

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Color

CIELCh(40, 15.455, 264.809)

Conversions

Conversions Part 1

Format	Color
Hex	4C6077
RGB	76, 96, 119
RGB Percent	30%, 38%, 47%
CMY	0.7017, 0.6233, 0.5331
CMYK	0.36, 0.19, 0.00, 0.53
HSL	212°, 22%, 38%
HSV	212°, 36%, 47%
XYZ	10.5089, 11.2510, 19.0926
YIQ	92.6420, -19.3030, 2.9130

Conversions

Conversions Part 2

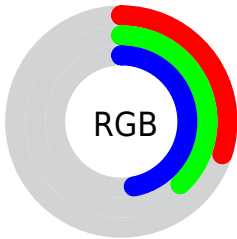
Format	Color
R_{YB}	76, 90, 119
Decimal	5005431
CIE _{Lab}	40.00, -1.40, -15.39
CIE _{LCh}	40, 15.455, 264.809
Yxy	11.2510, 0.2572, 0.2754
Android (android.graphics.Color)	4283195511 (0xFF4C6077)
YUV	92.6420, 12.9945, -14.5950
Hunter-Lab	33.5425, -2.7748, -10.2685

Details

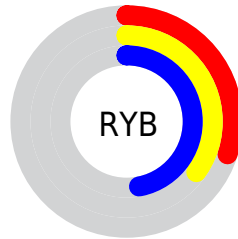
The CIELCh color $40, 15.455, 264.809$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $43, 16.669, 74.668$, and the grayscale version is $39, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 15.522, 265.183$, and $20, 15.652, 265.689$ is the 20% darker color. If you saturate the color by 10%, you get $37, 19.660, 267.054$, and if you desaturate by 10%, it is $43, 11.210, 262.897$.

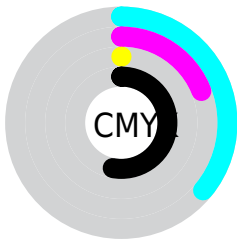
Distribution



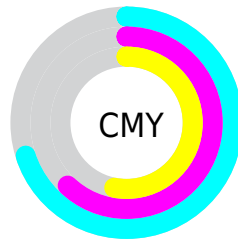
- Red (30%)
- Green (38%)
- Blue (47%)



- Red (30%)
- Yellow (35%)
- Blue (47%)



- Cyan (36%)
- Magenta (19%)
- Yellow (0%)
- Black (53%)





- Cyan (70%)
- Magenta (62%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 15.455, 264.809 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, 15.455, 264.809 by changing the saturation by 10% instead.


 40, 15.455,
264.809


 40, 15.455,
264.809


 100, 15.455,
264.809


 30, 15.455,
264.809

 60, 15.455,
264.809


 20, 15.455,
264.809


 70, 15.455,
264.809


 10, 15.455,
264.809

 80, 15.455,
264.809

 0, 15.455, 264.809

 90, 15.455,
264.809

 40, 15.455,

 40, 15.455,

264.809

264.809

■ 37, 19.660,
267.054

■ 43, 11.210,
262.897

■ 35, 23.829,
269.684

■ 46, 6.935, 261.278

■ 32, 27.975,
272.731

■ 48, 2.638, 259.940

■ 51, 1.669, 78.517

■ 30, 32.127,
276.201

■ 54, 5.975, 77.587

■ 27, 36.328,
280.049

■ 57, 10.268, 76.708

■ 60, 14.542, 75.932

■ 25, 40.637,
284.069

■ 62, 18.788, 75.246

■ 24, 42.367,
285.497

■ 65, 23.001, 74.638

Harmonies

Complementary

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



40, 15.455, 264.809



43, 16.669, 74.668

Rectangle

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



40, 15.455, 264.809



40, 15.455, 314.809



40, 15.455, 84.809



40, 15.455, 134.809

Sweetspot

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



40, 15.454, 264.807



60, 5.898, 260.592



47, 20.712, 162.139



31, 3.993, 260.737



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



40, 15.454, 264.807



49, 22.835, 266.570



34, 26.982, 295.625



23, 2.396, 260.295



25, 43.339, 285.635



51, 77.691, 288.170

Inverse Universe

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



38, 21.748, 349.016



46, 32.187, 350.023



49, 24.763, 108.348



23, 3.274, 346.261



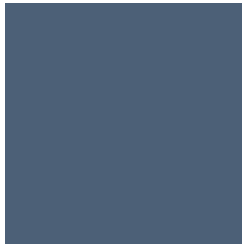
25, 49.121, 3.560



54, 83.141, 6.317

Previews

White Background



This preview shows how the CIELCh color 40, 15.455, 264.809 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, 15.455, 264.809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

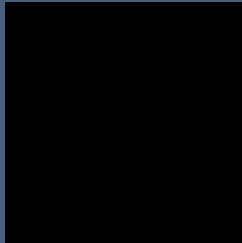
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

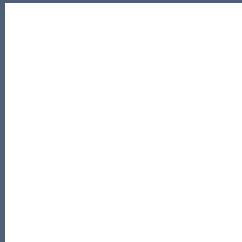
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 15.455, 264.809

Background



This preview shows how black text looks on a background with the CIELCh color 40, 15.455, 264.809.

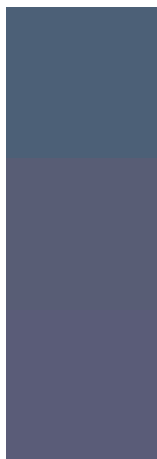


This preview shows how white text looks on a background with the CIELCh color 40, 15.455, 264.809.

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, 15.455, 264.809

Protanopia

40, 14.714, 285.113

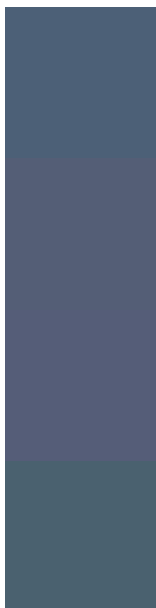
Deuteranopia

40, 17.096, 290.275



Tritanopia
40, 10.415, 226.520

Trichromacy



Original Color
40, 15.455, 264.809

Protanomaly
40, 14.973, 278.195

Deuteranomaly
40, 16.646, 282.583

Tritanomaly
40, 11.776, 245.488

Monochromacy



Original Color
40, 15.455, 264.809

Achromatopsia
39, 0.006, 296.813

Achromatomaly
40, 5.566, 260.873

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 15.455, 264.809 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(76, 96, 119)` looks like.

```
.text, #text, p{  
    color:rgb(76, 96, 119)  
}
```

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(76, 96, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 96, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 15.455, 264.809 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(76, 96, 119) }
```

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

```
.border{ border-color:rgb(76, 96, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 96, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 96, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 96, 119);  
box-shadow:4px 4px 4px 4px rgb(76, 96,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 15.455, 264.809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 96, 119) }
```

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

```
.background{ background-color: rgb(76, 96,  
119) }
```

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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