

Converting Colors

CIELCh(40, 48.527, 279.606)

Have a look what the booklet for
CIELCh(40, 48.527, 279.606)
contains.

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Color

CIELCh(40, 48.467, 279.454)

Conversions

Conversions Part 1

Format	Color
Hex	0F5FAD
RGB	15, 95, 173
RGB Percent	6%, 37%, 68%
CMY	0.9403, 0.6284, 0.3226
CMYK	0.91, 0.45, 0.00, 0.32
HSL	210°, 84%, 37%
HSV	210°, 91%, 68%
XYZ	11.7871, 11.2510, 40.9463
YIQ	79.9720, -72.7180, 7.2980

Conversions

Conversions Part 2

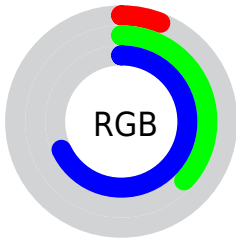
Format	Color
R_{YB}	15, 68, 173
Decimal	1007533
CIE Lab	40.00, 7.96, -47.81
CIE LCh	40, 48.467, 279.454
Yxy	11.2510, 0.1842, 0.1758
Android (android.graphics.Color)	4279197613 (0xFF0F5FAD)
YUV	79.9720, 45.8628, -56.9804
Hunter-Lab	33.5425, 4.0269, -48.8973

Details

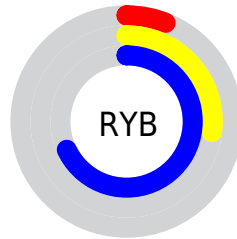
The CIELCh color **40, 48.467, 279.454** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **48, 59.592, 62.439**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 48.417, 279.203**, and **22, 46.666, 289.567** is the 20% darker color. If you saturate the color by 10%, you get **38, 53.132, 283.330**, and if you desaturate by 10%, it is **43, 43.337, 275.081**.

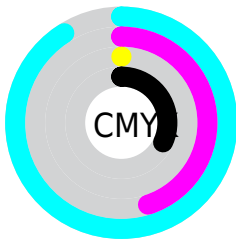
Distribution



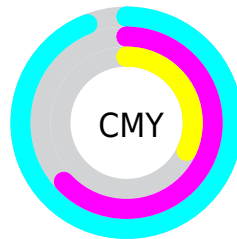
- Red (6%)
- Green (37%)
- Blue (68%)



- Red (6%)
- Yellow (27%)
- Blue (68%)



- Cyan (91%)
- Magenta (45%)
- Yellow (0%)
- Black (32%)





- Cyan (94%)
- Magenta (63%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 48.467, 279.454 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, 48.467, 279.454 by changing the saturation by 10% instead.

 40, 48.467,
279.454


 40, 48.467,
279.454


 100, 48.467,
279.454

 30, 48.467,
279.454

 60, 48.467,
279.454


 20, 48.467,
279.454

 70, 48.467,
279.454

 10, 48.467,
279.454

 80, 48.467,
279.454

 0, 48.467, 279.454

 90, 48.467,
279.454

 40, 48.467,

 40, 48.467,

279.454

■ 38, 53.132,
283.330

279.454

■ 43, 43.337,
275.081

■ 46, 38.273,
271.077

■ 49, 33.191,
267.540

■ 53, 28.031,
264.491

■ 56, 22.762,
261.903

■ 59, 17.377,
259.724

■ 63, 11.889,
257.896

■ 67, 6.315, 256.374

Harmonies

Complementary

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



40, 48.467, 279.454



48, 59.592, 62.439

Rectangle

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



40, 48.467, 279.454



40, 48.467, 329.454



40, 48.467, 99.454



40, 48.467, 149.454

Sweetspot

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



40, 48.467, 279.455



77, 18.663, 259.007



62, 63.775, 150.341



39, 12.529, 259.637



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



40, 48.467, 279.455



49, 65.734, 284.192



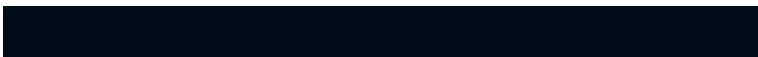
22, 94.398, 305.155



35, 3.209, 256.122



33, 47.477, 282.778



3, 7.351, 264.092

Inverse Universe

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



38, 62.181, 358.036



48, 76.929, 2.117



68, 69.610, 102.061



34, 4.659, 344.097



32, 57.303, 0.784



2, 9.163, 348.534

Previews

White Background



This preview shows how the CIELCh color 40, 48.467, 279.454 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, 48.467, 279.454 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

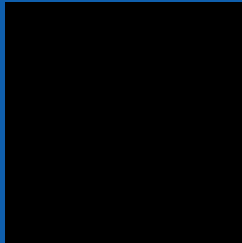
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 48.467, 279.454

Background



This preview shows how black text looks on a background with the CIELCh color 40, 48.467, 279.454.



This preview shows how white text looks on a background with the CIELCh color 40, 48.467, 279.454.

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, 48.481, 279.385

Protanopia

40, 47.681, 286.536

Deuteranopia

40, 45.939, 276.182



Tritanopia
40, 25.044, 208.030

Trichromacy



Original Color
40, 48.481, 279.385

Protanomaly
40, 48.048, 283.283

Deuteranomaly
40, 46.398, 276.957

Tritanomaly
40, 27.819, 244.689

Monochromacy



Original Color
40, 48.481, 279.385

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 19.993, 264.444

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 48.467, 279.454 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(15, 95, 173)` looks like.

```
.text, #text, p{  
    color:rgb(15, 95, 173)  
}
```

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(15, 95, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 95, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 48.467, 279.454 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(15, 95, 173) }
```

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

```
.border{ border-color:rgb(15, 95, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 95, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 95, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 95, 173);  
box-shadow:4px 4px 4px 4px rgb(15, 95,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 48.467, 279.454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 95, 173) }
```

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

```
.background{ background-color: rgb(15, 95,  
173) }
```

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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