

Converting Colors

CIELCh(40, 31.561, 280.864)

Have a look what the booklet for
CIELCh(40, 31.561, 280.864)
contains.

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Color

CIELCh(40, 31.561, 280.864)

Conversions

Conversions Part 1

Format	Color
Hex	455E91
RGB	69, 94, 145
RGB Percent	27%, 37%, 57%
CMY	0.7305, 0.6324, 0.4325
CMYK	0.53, 0.35, 0.00, 0.43
HSL	220°, 36%, 42%
HSV	220°, 53%, 57%
XYZ	11.5040, 11.2510, 28.2411
YIQ	92.3390, -31.2710, 10.5610

Conversions

Conversions Part 2

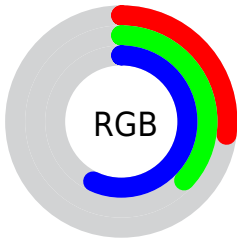
Format	Color
RYB	69, 88, 145
Decimal	4546193
CIELab	40.00, 5.95, -31.00
CIELCh	40, 31.561, 280.864
Yxy	11.2510, 0.2256, 0.2206
Android (android.graphics.Color)	4282736273 (0xFF455E91)
YUV	92.3390, 25.9619, -20.4683
Hunter-Lab	33.5425, 2.5203, -26.4395

Details

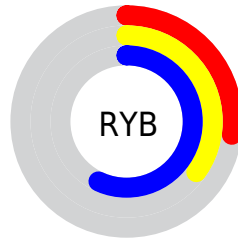
The CIELCh color **40, 31.561, 280.864** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **52, 31.588, 84.683**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 31.523, 280.964**, and **20, 31.779, 281.187** is the 20% darker color. If you saturate the color by 10%, you get **36, 37.943, 283.622**, and if you desaturate by 10%, it is **44, 25.322, 278.461**.

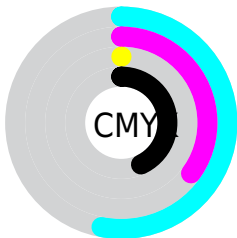
Distribution



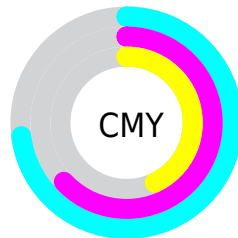
- Red (27%)
- Green (37%)
- Blue (57%)



- Red (27%)
- Yellow (35%)
- Blue (57%)



- Cyan (53%)
- Magenta (35%)
- Yellow (0%)
- Black (43%)





- Cyan (73%)
- Magenta (63%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 31.561, 280.864 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, 31.561, 280.864 by changing the saturation by 10% instead.


 40, 31.561,
280.864


 40, 31.561,
280.864


 100, 31.561,
280.864


 30, 31.561,
280.864

 60, 31.561,
280.864


 20, 31.561,
280.864

 70, 31.561,
280.864

 10, 31.561,
280.864

 80, 31.561,
280.864

 0, 31.561, 280.864

 90, 31.561,
280.864

 40, 31.561,

 40, 31.561,

280.864

280.864

■ 36, 37.943,
283.622

■ 44, 25.322,
278.461

■ 33, 44.496,
286.725

■ 48, 19.204,
276.388

■ 29, 51.228,
290.108

■ 51, 13.192,
274.611

■ 26, 58.089,
293.635

■ 55, 7.277, 273.093

■ 24, 63.249,
296.104

■ 59, 1.455, 271.879

■ 63, 4.274, 90.566

■ 67, 9.909, 89.599

■ 71, 15.452, 88.737

■ 74, 20.899, 87.975

Harmonies

Complementary

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



40, 31.561, 280.864



52, 31.588, 84.683

Rectangle

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



40, 31.561, 280.864



40, 31.561, 330.864



40, 31.561, 100.864



40, 31.561, 150.864

Sweetspot

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



40, 31.560, 280.865



69, 11.586, 273.645



55, 30.614, 168.089



35, 7.808, 273.918



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



40, 31.560, 280.865



47, 47.569, 284.160



34, 47.629, 301.965



28, 3.240, 272.640



22, 59.781, 295.867



1, 2.175, 271.453

Inverse Universe

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



40, 34.906, 0.756



47, 51.237, 3.444



58, 41.730, 113.114



28, 3.559, 354.740



28, 53.669, 16.835



0, 2.364, 353.961

Previews

White Background



This preview shows how the CIELCh color 40, 31.561, 280.864 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, 31.561, 280.864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

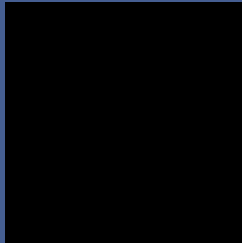
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 31.561, 280.864

Background



This preview shows how black text looks on a background with the CIELCh color 40, 31.561, 280.864.



This preview shows how white text looks on a background with the CIELCh color 40, 31.561, 280.864.

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, 31.561, 280.864

Protanopia

40, 31.265, 285.511

Deuteranopia

40, 31.612, 280.395



Tritanopia
40, 15.840, 215.797

Trichromacy



Original Color
40, 31.561, 280.864

Protanomaly
40, 31.373, 283.383

Deuteranomaly
40, 31.612, 280.395

Tritanomaly
40, 18.568, 251.045

Monochromacy



Original Color
40, 31.561, 280.864

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 11.422, 274.489

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 31.561, 280.864 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(69, 94, 145)` looks like.

```
.text, #text, p{  
    color:rgb(69, 94, 145)  
}
```

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(69, 94, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 94, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 31.561, 280.864 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(69, 94, 145) }
```

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

```
.border{ border-color:rgb(69, 94, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 94, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 94, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 94, 145);  
box-shadow:4px 4px 4px 4px rgb(69, 94,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 31.561, 280.864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 94, 145) }
```

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

```
.background{ background-color: rgb(69, 94,  
145) }
```

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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