

Converting Colors

CIELCh(40, 28.252, 284.449)

Have a look what the booklet for
CIELCh(40, 28.252, 284.449)
contains.

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Color

CIELCh(40, 28.227, 284.406)

Conversions

Conversions Part 1

Format	Color
Hex	4E5D8B
RGB	78, 93, 139
RGB Percent	31%, 36%, 55%
CMY	0.6951, 0.6362, 0.4559
CMYK	0.44, 0.33, 0.00, 0.46
HSL	225°, 28%, 42%
HSV	225°, 44%, 54%
XYZ	11.6545, 11.2510, 25.8816
YIQ	93.7590, -23.7060, 11.1260

Conversions

Conversions Part 2

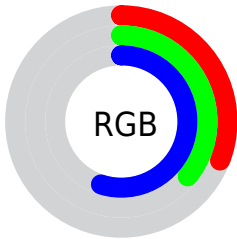
Format	Color
R_{YB}	78, 90, 139
Decimal	5135755
CIE _{Lab}	40.00, 7.02, -27.34
CIE _{LCh}	40, 28.227, 284.406
Yxy	11.2510, 0.2389, 0.2306
Android (android.graphics.Color)	4283325835 (0xFF4E5D8B)
YUV	93.7590, 22.3038, -13.8206
Hunter-Lab	33.5425, 3.3214, -22.2689

Details

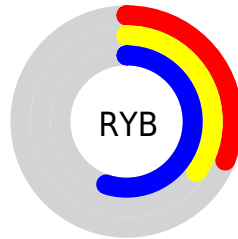
The CIELCh color **40, 28.227, 284.406** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **52, 27.199, 92.228**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 28.409, 284.724**, and **20, 28.739, 285.139** is the 20% darker color. If you saturate the color by 10%, you get **36, 35.143, 286.705**, and if you desaturate by 10%, it is **44, 21.514, 282.414**.

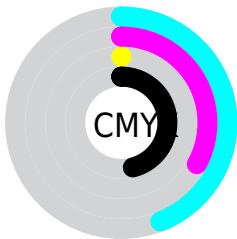
Distribution



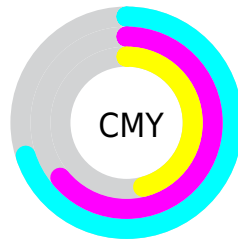
- Red (31%)
- Green (36%)
- Blue (55%)



- Red (31%)
- Yellow (35%)
- Blue (55%)



- Cyan (44%)
- Magenta (33%)
- Yellow (0%)
- Black (46%)



- Cyan (70%)
- Magenta (64%)
- Yellow (46%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 28.227, 284.406 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, 28.227, 284.406 by changing the saturation by 10% instead.

 40, 28.227,
284.406


 40, 28.227,
284.406


 100, 28.227,
284.406

 30, 28.227,
284.406

 60, 28.227,
284.406


 20, 28.227,
284.406

 70, 28.227,
284.406

 10, 28.227,
284.406

 80, 28.227,
284.406

 0, 28.227, 284.406

 90, 28.227,
284.406

 40, 28.227,

 40, 28.227,

284.406

■ 36, 35.143,
286.705

■ 32, 42.282,
289.320

■ 28, 49.640,
292.217

■ 25, 57.143,
295.302

■ 22, 64.581,
298.396

■ 20, 68.916,
300.046

284.406

■ 44, 21.514,
282.414

■ 48, 14.987,
280.699

■ 52, 8.628, 279.230

■ 56, 2.424, 278.000

■ 60, 3.634, 96.803

■ 64, 9.550, 95.871

■ 68, 15.332, 95.041

■ 72, 20.982, 94.309

■ 76, 26.506, 93.660

Harmonies

Complementary

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



40, 28.227, 284.406



52, 27.199, 92.228

Rectangle

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



40, 28.227, 284.406



40, 28.227, 334.406



40, 28.227, 104.406



40, 28.227, 154.406

Sweetspot

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



40, 28.226, 284.406



67, 9.976, 279.139



53, 23.718, 175.183



34, 7.052, 279.411



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



40, 28.226, 284.406



47, 42.908, 286.755



37, 38.079, 303.376



27, 3.447, 278.603



19, 66.414, 299.911



0, 1.585, 277.490

Inverse Universe

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



41, 27.651, 5.214



49, 41.636, 7.256



55, 34.569, 117.262



27, 3.316, 0.570



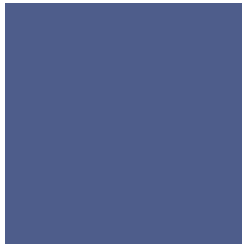
27, 54.906, 24.070



0, 1.508, 359.796

Previews

White Background



This preview shows how the CIE LCh color 40, 28.227, 284.406 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, 28.227, 284.406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

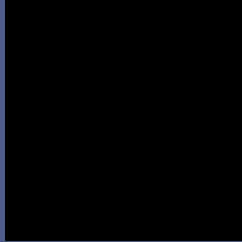
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

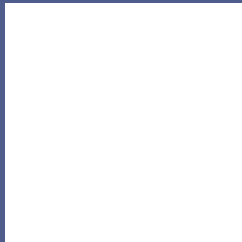
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 28.227, 284.406

Background



This preview shows how black text looks on a background with the CIELCh color 40, 28.227, 284.406.



This preview shows how white text looks on a background with the CIELCh color 40, 28.227, 284.406.

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, 28.227, 284.406

Protanopia

40, 28.187, 285.016

Deuteranopia

40, 28.361, 282.619



Tritanopia
40, 11.903, 222.566

Trichromacy



Original Color
40, 28.227, 284.406

Protanomaly
40, 28.187, 285.016

Deuteranomaly
40, 28.315, 283.208

Tritanomaly
40, 15.690, 258.102

Monochromacy



Original Color
40, 28.227, 284.406

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 9.970, 278.252

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 28.227, 284.406 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(78, 93, 139)` looks like.

```
.text, #text, p{  
    color:rgb(78, 93, 139)  
}
```

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(78, 93, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 93, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 28.227, 284.406 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(78, 93, 139) }
```

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

```
.border{ border-color:rgb(78, 93, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 93, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 93, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 93, 139);  
box-shadow:4px 4px 4px 4px rgb(78, 93,  
139) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 28.227, 284.406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 93, 139) }
```

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

```
.background{ background-color: rgb(78, 93,  
139) }
```

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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