

Converting Colors

CIELCh(40, 28.468, 280.824)

Have a look what the booklet for
CIELCh(40, 28.468, 280.824)
contains.

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Color

CIELCh(40, 28.468, 280.824)

Conversions

Conversions Part 1

Format	Color
Hex	495E8C
RGB	73, 94, 140
RGB Percent	29%, 37%, 55%
CMY	0.7148, 0.6324, 0.4521
CMYK	0.48, 0.33, 0.00, 0.45
HSL	221°, 32%, 42%
HSV	221°, 48%, 55%
XYZ	11.4201, 11.2510, 26.2734
YIQ	92.9650, -27.2820, 9.8540

Conversions

Conversions Part 2

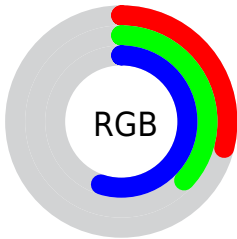
Format	Color
R_YB	73, 89, 140
Decimal	4808332
CIE Lab	40.00, 5.35, -27.96
CIE LCh	40, 28.468, 280.824
Yxy	11.2510, 0.2333, 0.2299
Android (android.graphics.Color)	4282998412 (0xFF495E8C)
YUV	92.9650, 23.1883, -17.5093
Hunter-Lab	33.5425, 2.0740, -22.9614

Details

The CIELCh color `40, 28.468, 280.824` is a dark color, and the websafe version is hex `336699`. A complement of this color would be `51, 28.288, 86.598`, and the grayscale version is `39, 0.006, 296.813`.

A 20% lighter version of the original color is `60, 28.650, 281.004`, and `20, 28.984, 281.469` is the 20% darker color. If you saturate the color by 10%, you get `36, 34.768, 283.377`, and if you desaturate by 10%, it is `44, 22.312, 278.610`.

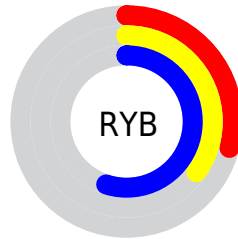
Distribution



Red (29%)

Green (37%)

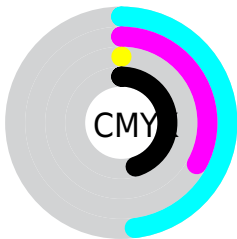
Blue (55%)



Red (29%)

Yellow (35%)

Blue (55%)

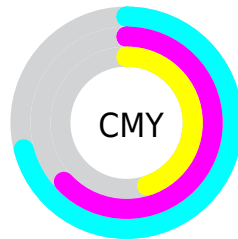


Cyan (48%)

Magenta (33%)

Yellow (0%)

Black (45%)



Cyan (71%)

Magenta (63%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 28.468, 280.824 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, 28.468, 280.824 by changing the saturation by 10% instead.

■ 40, 28.468,
280.824

■ 40, 28.468,
280.824

■ 100, 28.468,
280.824

■ 30, 28.468,
280.824

■ 60, 28.468,
280.824

■ 20, 28.468,
280.824

■ 70, 28.468,
280.824

■ 10, 28.468,
280.824

■ 80, 28.468,
280.824

■ 0, 28.468, 280.824

■ 90, 28.468,
280.824

■ 40, 28.468,

■ 40, 28.468,

280.824

■ 36, 34.768,
283.377

■ 33, 41.239,
286.273

■ 29, 47.893,
289.475

■ 26, 54.701,
292.880

■ 23, 61.553,
296.227

■ 23, 62.955,
296.843

280.824

■ 44, 22.312,
278.610

■ 48, 16.282,
276.704

■ 51, 10.365,
275.071

■ 55, 4.553, 273.681

■ 59, 1.157, 92.274

■ 63, 6.768, 91.342

■ 66, 12.279, 90.430

■ 70, 17.691, 89.624

■ 74, 23.004, 88.909

Harmonies

Complementary

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



40, 28.468, 280.824



51, 28.288, 86.598

Rectangle

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



40, 28.468, 280.824



40, 28.468, 330.824



40, 28.468, 100.824



40, 28.468, 150.824

Sweetspot

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



40, 28.467, 280.824



67, 9.959, 274.536



53, 27.125, 169.851



34, 6.941, 274.815



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, 28.467, 280.824



47, 43.058, 283.730



35, 41.944, 301.831



27, 3.197, 273.834



21, 60.299, 296.662



0, 1.474, 272.666

Inverse Universe

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



40, 30.874, 0.980



47, 45.864, 3.321



56, 37.371, 114.137



27, 3.424, 355.790



27, 53.207, 18.147



0, 1.562, 355.014

Previews

White Background



This preview shows how the CIELCh color 40, 28.468, 280.824 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, 28.468, 280.824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

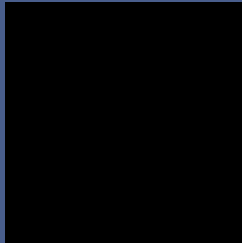
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

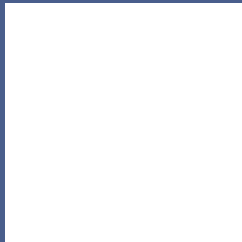
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 28.468, 280.824

Background



This preview shows how black text looks on a background with the CIELCh color 40, 28.468, 280.824.

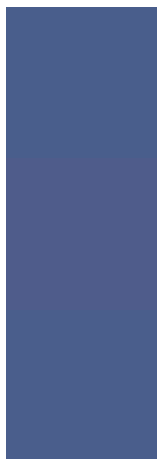


This preview shows how white text looks on a background with the CIELCh color 40, 28.468, 280.824.

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, 28.468, 280.824

Protanopia

40, 28.792, 285.994

Deuteranopia

40, 28.415, 281.392



Tritanopia
40, 13.928, 218.606

Trichromacy



Original Color
40, 28.468, 280.824

Protanomaly
40, 28.270, 283.803

Deuteranomaly
40, 28.415, 281.392

Tritanomaly
40, 16.694, 252.543

Monochromacy



Original Color
40, 28.468, 280.824

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 10.658, 277.201

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 28.468, 280.824 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(73, 94, 140)` looks like.

```
.text, #text, p{  
    color:rgb(73, 94, 140)  
}
```

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(73, 94, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 94, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 28.468, 280.824 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(73, 94, 140) }
```

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

```
.border{ border-color:rgb(73, 94, 140) }
```

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

Here you see how a box with a 4 pixel rgb(73, 94, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 94, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 94, 140);  
box-shadow:4px 4px 4px 4px rgb(73, 94,  
140) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 28.468, 280.824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 94, 140) }
```

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

```
.background{ background-color: rgb(73, 94,  
140) }
```

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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