

Converting Colors

CIELCh(40, 21.652, 284.725)

Have a look what the booklet for
CIELCh(40, 21.652, 284.725)
contains.

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Color

CIELCh(40, 21.461, 284.936)

Conversions

Conversions Part 1

Format	Color
Hex	545D80
RGB	84, 93, 128
RGB Percent	33%, 36%, 50%
CMY	0.6709, 0.6356, 0.4984
CMYK	0.34, 0.27, 0.00, 0.50
HSL	228°, 21%, 42%
HSV	228°, 34%, 50%
XYZ	11.4458, 11.2510, 21.9597
YIQ	94.2990, -16.5990, 8.9770

Conversions

Conversions Part 2

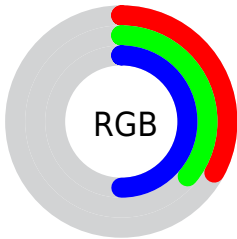
Format	Color
R_{YB}	84, 91, 128
Decimal	5528960
CIE _{Lab}	40.00, 5.53, -20.74
CIE _{LCh}	40, 21.461, 284.936
Yxy	11.2510, 0.2563, 0.2519
Android (android.graphics.Color)	4283719040 (0xFF545D80)
YUV	94.2990, 16.6146, -9.0322
Hunter-Lab	33.5425, 2.2110, -15.3365

Details

The CIELCh color $40, 21.461, 284.936$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $50, 20.656, 96.234$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 21.571, 285.278$, and $20, 21.909, 285.376$ is the 20% darker color. If you saturate the color by 10%, you get $36, 28.126, 286.860$, and if you desaturate by 10%, it is $44, 15.001, 283.277$.

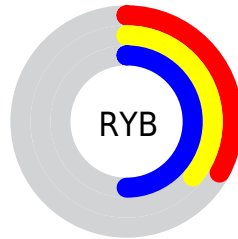
Distribution



 Red (33%)

 Green (36%)

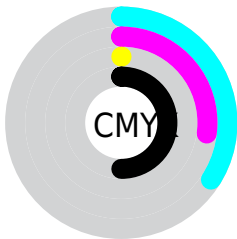
 Blue (50%)




 Red (33%)

 Yellow (36%)

 Blue (50%)

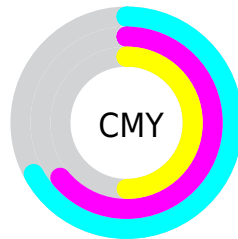


 Cyan (34%)

 Magenta (27%)

 Yellow (0%)

 Black (50%)



 Cyan (67%)


 Magenta (64%)


 Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 21.461, 284.936 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, 21.461, 284.936 by changing the saturation by 10% instead.


 40, 21.461,
284.936


 40, 21.461,
284.936


 100, 21.461,
284.936


 30, 21.461,
284.936

 60, 21.461,
284.936


 20, 21.461,
284.936

 70, 21.461,
284.936

 10, 21.461,
284.936

 80, 21.461,
284.936

 0, 21.461, 284.936

 90, 21.461,
284.936

 40, 21.461,

 40, 21.461,

284.936

284.936

■ 36, 28.126,
286.860

■ 44, 15.001,
283.277

■ 32, 35.017,
289.075

■ 48, 8.730, 281.854

■ 28, 42.143,
291.582

■ 52, 2.634, 280.654

■ 56, 3.299, 99.511

■ 25, 49.474,
294.341

■ 60, 9.079, 98.609

■ 21, 56.891,
297.241

■ 64, 14.711, 97.808

■ 67, 20.204, 97.101

■ 18, 64.095,
300.079

■ 71, 25.561, 96.477

■ 17, 67.902,
301.433

■ 75, 30.790, 95.922

Harmonies

Complementary

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



40, 21.461, 284.936



50, 20.656, 96.234

Rectangle

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



40, 21.461, 284.936



40, 21.461, 334.936



40, 21.461, 104.936



40, 21.461, 154.936

Sweetspot

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



40, 21.460, 284.936



63, 7.455, 281.324



50, 17.408, 178.833



32, 5.134, 281.471



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



40, 21.460, 284.936



48, 31.983, 286.363



39, 27.499, 303.542



25, 3.386, 281.187



17, 67.724, 301.424



0, 0.000, 0.000

Inverse Universe

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



41, 19.809, 6.704



49, 29.546, 7.914



52, 25.673, 119.206



25, 3.058, 3.642



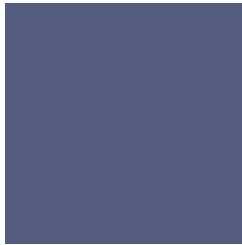
26, 54.568, 27.193



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 40, 21.461, 284.936 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, 21.461, 284.936 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

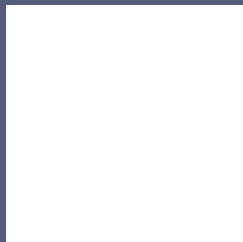
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 21.461, 284.936

Background



This preview shows how black text looks on a background with the CIELCh color 40, 21.461, 284.936.



This preview shows how white text looks on a background with the CIELCh color 40, 21.461, 284.936.

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

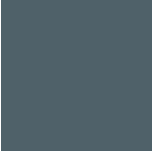
40, 21.461, 284.936

Protanopia

40, 21.461, 284.936

Deuteranopia

40, 21.461, 284.936



Tritanopia
40, 8.334, 234.724

Trichromacy



Original Color
40, 21.461, 284.936

Protanomaly
40, 21.461, 284.936

Deuteranomaly
40, 21.461, 284.936

Tritanomaly
40, 11.594, 262.883

Monochromacy



Original Color
40, 21.461, 284.936

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 7.452, 279.076

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 21.461, 284.936 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(84, 93, 128)` looks like.

```
.text, #text, p{  
    color:rgb(84, 93, 128)  
}
```

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(84, 93, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 93, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 21.461, 284.936 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(84, 93, 128) }
```

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

```
.border{ border-color:rgb(84, 93, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 93, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 93, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 93, 128);  
box-shadow:4px 4px 4px 4px rgb(84, 93,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 21.461, 284.936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 93, 128) }
```

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

```
.background{ background-color: rgb(84, 93,  
128) }
```

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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