

Converting Colors

CIELCh(40, 21.808, 284.028)

Have a look what the booklet for
CIELCh(40, 21.808, 284.028)
contains.

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Color

CIELCh(40, 22.097, 284.430)

Conversions

Conversions Part 1

Format	Color
Hex	535D81
RGB	83, 93, 129
RGB Percent	33%, 36%, 51%
CMY	0.6745, 0.6353, 0.4941
CMYK	0.36, 0.28, 0.00, 0.49
HSL	227°, 22%, 42%
HSV	227°, 36%, 51%
XYZ	11.4424, 11.2510, 22.3348
YIQ	94.1140, -17.5160, 9.0760

Conversions

Conversions Part 2

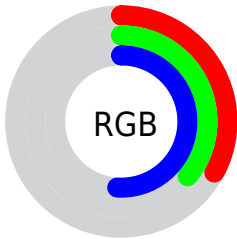
Format	Color
R_{YB}	83, 91, 129
Decimal	5463425
CIE Lab	40.00, 5.51, -21.40
CIE LCh	40, 22.097, 284.430
Yxy	11.2510, 0.2541, 0.2499
Android (android.graphics.Color)	4283653505 (0xFF535D81)
YUV	94.1140, 17.1988, -9.7470
Hunter-Lab	33.5425, 2.1926, -15.9995

Details

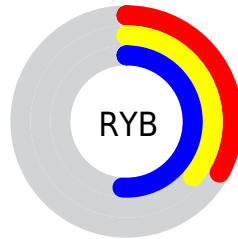
The CIELCh color **40, 22.097, 284.430** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **50, 21.311, 95.248**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 22.163, 284.686**, and **20, 22.604, 285.133** is the 20% darker color. If you saturate the color by 10%, you get **36, 28.715, 286.410**, and if you desaturate by 10%, it is **44, 15.677, 282.722**.

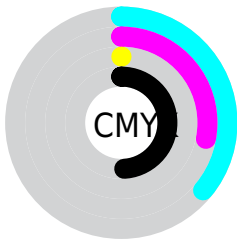
Distribution



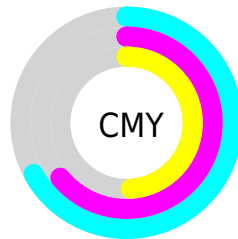
- Red (33%)
- Green (36%)
- Blue (51%)



- Red (33%)
- Yellow (36%)
- Blue (51%)



- Cyan (36%)
- Magenta (28%)
- Yellow (0%)
- Black (49%)



- Cyan (67%)
- Magenta (64%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 22.097, 284.430 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, 22.097, 284.430 by changing the saturation by 10% instead.

■ 40, 22.097,
284.430

■ 40, 22.097,
284.430

■ 100, 22.097,
284.430

■ 30, 22.097,
284.430

■ 60, 22.097,
284.430

■ 20, 22.097,
284.430

■ 70, 22.097,
284.430

■ 10, 22.097,
284.430

■ 80, 22.097,
284.430

■ 0, 22.097, 284.430

■ 90, 22.097,
284.430

■ 40, 22.097,

■ 40, 22.097,

284.430

284.430

■ 36, 28.715,
286.410

■ 44, 15.677,
282.722

■ 32, 35.554,
288.687

■ 48, 9.440, 281.256

■ 29, 42.620,
291.260

■ 52, 3.371, 280.012

■ 56, 2.541, 98.834

■ 25, 49.888,
294.084

■ 60, 8.304, 97.916

■ 22, 57.237,
297.045

■ 63, 13.924, 97.092

■ 67, 19.409, 96.365

■ 19, 64.383,
299.918

■ 71, 24.762, 95.723

■ 18, 67.337,
300.984

■ 75, 29.989, 95.152

Harmonies

Complementary

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



40, 22.097, 284.430



50, 21.311, 95.248

Rectangle

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



40, 22.097, 284.430



40, 22.097, 334.430



40, 22.097, 104.430



40, 22.097, 154.430

Sweetspot

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



40, 22.096, 284.430



64, 8.196, 280.680



51, 18.315, 177.407



32, 5.489, 280.820



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, 22.096, 284.430



48, 33.527, 286.063



38, 28.730, 303.104



25, 3.338, 280.412



17, 66.702, 300.949



0, 0.000, 0.000

Inverse Universe

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



41, 20.778, 5.940



49, 31.514, 7.321



52, 26.702, 118.447



25, 3.073, 2.682



26, 54.155, 26.185



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 40, 22.097, 284.430 looks on a white background.

Color Contrast Check

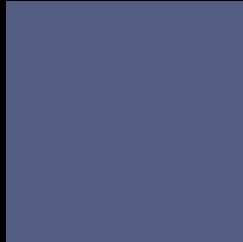
Large Text (above 18pt) WCAG AA ✓ Pass

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, 22.097, 284.430 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, 22.097, 284.430

Background



This preview shows how black text looks on a background with the CIELCh color 40, 22.097, 284.430.



This preview shows how white text looks on a background with the CIELCh color 40, 22.097, 284.430.

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

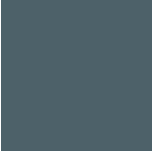
40, 22.097, 284.430

Protanopia

40, 22.057, 285.290

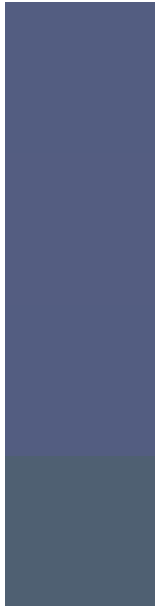
Deuteranopia

40, 22.097, 284.430



Tritanopia
40, 8.925, 231.962

Trichromacy



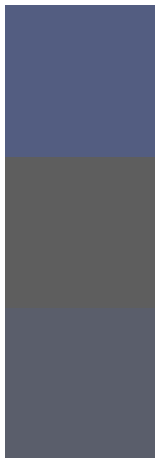
Original Color
40, 22.097, 284.430

Protanomaly
40, 22.057, 285.290

Deuteranomaly
40, 22.097, 284.430

Tritanomaly
40, 12.428, 261.525

Monochromacy



Original Color
40, 22.097, 284.430

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 8.047, 280.132

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 22.097, 284.430 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(83, 93, 129)` looks like.

```
.text, #text, p{  
    color:rgb(83, 93, 129)  
}
```

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(83, 93, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 93, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 22.097, 284.430 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(83, 93, 129) }
```

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

```
.border{ border-color:rgb(83, 93, 129) }
```

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

Here you see how a box with a 4 pixel rgb(83, 93, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 93, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 93, 129);  
box-shadow:4px 4px 4px 4px rgb(83, 93,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 22.097, 284.430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 93, 129) }
```

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

```
.background{ background-color: rgb(83, 93,  
129) }
```

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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