

Converting Colors

CIELCh(42, 25.408, 282.258)

Have a look what the booklet for
CIELCh(42, 25.408, 282.258)
contains.

CIELCh(42, 25.658, 282.657)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(42, 25.658, 282.657)

Conversions

Conversions Part 1

Format	Color
Hex	53628C
RGB	83, 98, 140
RGB Percent	33%, 38%, 55%
CMY	0.6740, 0.6152, 0.4505
CMYK	0.41, 0.30, 0.00, 0.45
HSL	224°, 26%, 44%
HSV	224°, 41%, 55%
XYZ	12.7006, 12.5000, 26.6048
YIQ	98.3030, -22.4220, 9.8820

Conversions

Conversions Part 2

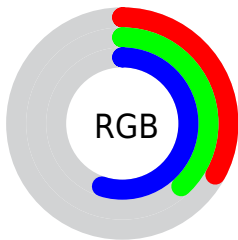
Format	Color
R_{YB}	83, 95, 140
Decimal	5464716
CIE Lab	42.00, 5.62, -25.03
CIE LCh	42, 25.658, 282.657
Yxy	12.5000, 0.2452, 0.2413
Android (android.graphics.Color)	4283654796 (0xFF53628C)
YUV	98.3030, 20.5566, -13.4207
Hunter-Lab	35.3553, 2.2501, -19.8668

Details

The CIELCh color $42, 25.658, 282.657$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $53, 25.002, 91.425$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 25.513, 282.473$, and $22, 25.798, 282.630$ is the 20% darker color. If you saturate the color by 10%, you get $38, 32.385, 284.883$, and if you desaturate by 10%, it is $46, 19.113, 280.735$.

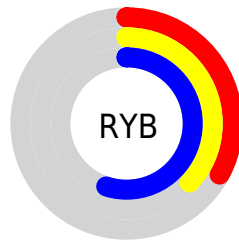
Distribution



Red (33%)

Green (38%)

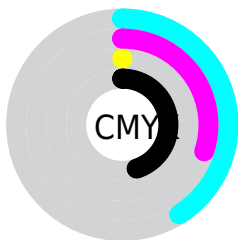
Blue (55%)



Red (33%)

Yellow (37%)

Blue (55%)

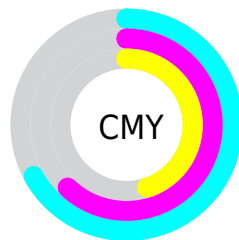


Cyan (41%)

Magenta (30%)

Yellow (0%)

Black (45%)



Cyan (67%)


Magenta (62%)


Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 25.658, 282.657 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 42, 25.658, 282.657 by changing the saturation by 10% instead.


 42, 25.658,
282.657


 42, 25.658,
282.657


 100, 25.658,
282.657


 32, 25.658,
282.657

 62, 25.658,
282.657


 22, 25.658,
282.657

 72, 25.658,
282.657

 12, 25.658,
282.657

 82, 25.658,
282.657

 2, 25.658, 282.657

 92, 25.658,
282.657

 0, 25.658, 282.657

 42, 25.658,

 42, 25.658,

282.657

■ 38, 32.385,
284.883

■ 34, 39.317,
287.432

■ 30, 46.465,
290.291

■ 27, 53.801,
293.391

■ 24, 61.198,
296.592

■ 21, 67.928,
299.341

282.657

■ 46, 19.113,
280.735

■ 50, 12.733,
279.083

■ 54, 6.504, 277.671

■ 58, 0.415, 276.781

■ 62, 5.538, 95.330

■ 66, 11.362, 94.417

■ 70, 17.059, 93.610

■ 74, 22.634, 92.896

■ 78, 28.089, 92.263

Harmonies

Complementary

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



42, 25.658, 282.657



53, 25.002, 91.425

Rectangle

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



42, 25.658, 282.657



42, 25.658, 332.657



42, 25.658, 102.657



42, 25.658, 152.657

Sweetspot

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



42, 25.657, 282.657



68, 9.023, 277.878



54, 22.597, 174.309



35, 6.039, 278.028



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



42, 25.657, 282.657



50, 38.561, 284.729



39, 35.310, 302.535



27, 3.382, 277.474



20, 64.921, 299.171



0, 1.556, 276.347

Inverse Universe

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



42, 25.812, 3.402



50, 38.556, 5.115



56, 32.280, 116.739



27, 3.341, 359.344



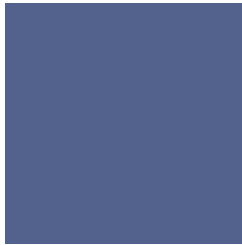
27, 54.421, 22.634



0, 1.521, 358.567

Previews

White Background



This preview shows how the CIELCh color 42, 25.658, 282.657 looks on a white background.

Color Contrast Check

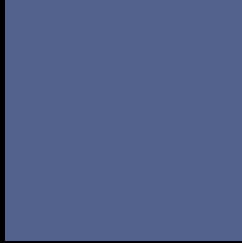
Large Text (above 18pt) WCAG AA ✓ Pass

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 42, 25.658, 282.657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

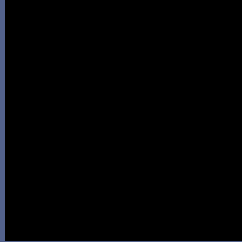
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

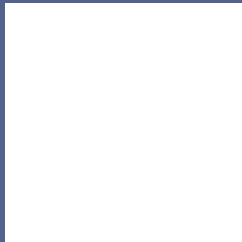
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 25.658, 282.657

Background



This preview shows how black text looks on a background with the CIELCh color 42, 25.658, 282.657.



This preview shows how white text looks on a background with the CIELCh color 42, 25.658, 282.657.

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


42, 25.658, 282.657

Protanopia

42, 26.119, 285.820

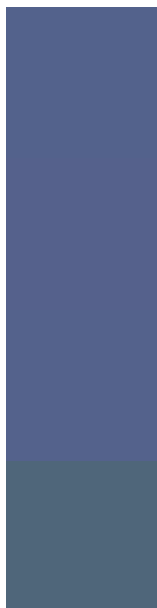
Deuteranopia

42, 25.610, 283.348



Tritanopia
42, 11.268, 223.883

Trichromacy



Original Color
42, 25.658, 282.657

Protanomaly
42, 26.156, 285.128

Deuteranomaly
42, 25.610, 283.348

Tritanomaly
42, 14.316, 256.884

Monochromacy



Original Color
42, 25.658, 282.657

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 9.239, 279.449

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 25.658, 282.657 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, 98, 140)` looks like.

```
.text, #text, p{  
    color:rgb(83, 98, 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(83, 98, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 98, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 25.658, 282.657 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, 98, 140) }
```

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

```
.border{ border-color:rgb(83, 98, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 98, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 98, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 98, 140);  
box-shadow:4px 4px 4px 4px rgb(83, 98,  
140) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 25.658, 282.657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 98, 140) }
```

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

```
.background{ background-color: rgb(83, 98,  
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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