

Converting Colors

CIELCh(55, 36.222, 272.328)

Have a look what the booklet for
CIELCh(55, 36.222, 272.328)
contains.

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Color

CIELCh(55, 36.228, 272.301)

Conversions

Conversions Part 1

Format	Color
Hex	5686C2
RGB	86, 134, 194
RGB Percent	34%, 53%, 76%
CMY	0.6627, 0.4744, 0.2391
CMYK	0.56, 0.31, 0.00, 0.24
HSL	213°, 47%, 55%
HSV	213°, 56%, 76%
XYZ	22.1064, 22.9298, 54.3104
YIQ	126.4880, -47.8680, 8.4840

Conversions

Conversions Part 2

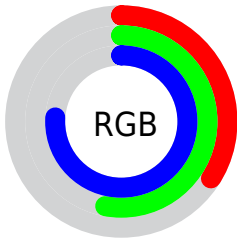
Format	Color
R_{YB}	86, 119, 194
Decimal	5670594
CIE _{Lab}	55.00, 1.45, -36.20
CIE _{LCh}	55, 36.228, 272.301
Yxy	22.9298, 0.2225, 0.2308
Android (android.graphics.Color)	4283860674 (0xFF5686C2)
YUV	126.4880, 33.2834, -35.5080
Hunter-Lab	47.8851, -1.3937, -33.7260

Details

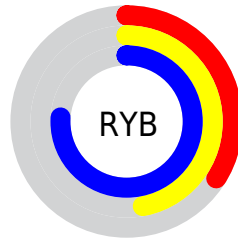
The CIELCh color **55, 36.228, 272.301** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **64, 40.111, 73.810**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 36.263, 272.509**, and **35, 36.103, 272.060** is the 20% darker color. If you saturate the color by 10%, you get **51, 42.699, 275.538**, and if you desaturate by 10%, it is **59, 29.766, 269.508**.

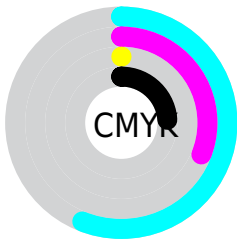
Distribution



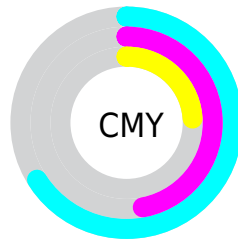
- Red (34%)
- Green (53%)
- Blue (76%)



- Red (34%)
- Yellow (47%)
- Blue (76%)



- Cyan (56%)
- Magenta (31%)
- Yellow (0%)
- Black (24%)





- Cyan (66%)
- Magenta (47%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 36.228, 272.301 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 55, 36.228, 272.301 by changing the saturation by 10% instead.


 55, 36.228,
272.301


 55, 36.228,
272.301


 100, 36.228,
272.301


 45, 36.228,
272.301


 75, 36.228,
272.301

 35, 36.228,
272.301

 85, 36.228,
272.301

 25, 36.228,
272.301

 95, 36.228,
272.301

 15, 36.228,
272.301

 5, 36.228, 272.301

 0, 36.228, 272.301

■ 55, 36.228,
272.301

■ 55, 36.228,
272.301

■ 51, 42.699,
275.538

■ 59, 29.766,
269.508

■ 47, 49.233,
279.208

■ 63, 23.285,
267.126

■ 44, 55.896,
283.237

■ 67, 16.777,
265.108

■ 40, 62.739,
287.462

■ 72, 10.248,
263.405

■ 39, 65.781,
289.207

■ 76, 3.709, 262.001

■ 80, 2.824, 80.557

■ 85, 9.336, 79.563

■ 89, 15.813, 78.649

■ 93, 21.174, 82.910

Harmonies

Complementary

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



55, 36.228, 272.301



64, 40.111, 73.810

Rectangle

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



55, 36.228, 272.301



55, 36.228, 322.301



55, 36.228, 92.301



55, 36.228, 142.301

Sweetspot

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



55, 36.227, 272.301



90, 13.772, 263.659



71, 45.158, 160.276



47, 9.286, 263.994



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



55, 36.227, 272.301



65, 53.950, 276.380



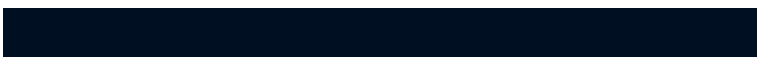
42, 64.644, 299.727



39, 3.707, 262.480



32, 56.363, 288.575



4, 13.590, 273.618

Inverse Universe

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



52, 48.633, 353.510



61, 69.967, 356.149



76, 55.193, 107.396



38, 4.910, 347.525



34, 59.760, 6.786



3, 15.390, 355.620

Previews

White Background



This preview shows how the CIE LCh color 55, 36.228, 272.301 looks on a white background.

Color Contrast Check

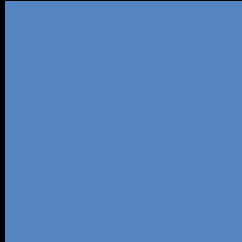
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 55, 36.228, 272.301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

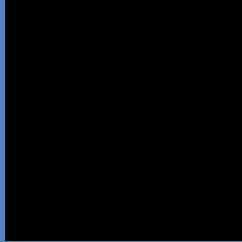
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

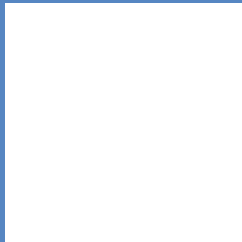
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 55, 36.228, 272.301

Background



This preview shows how black text looks on a background with the CIELCh color 55, 36.228, 272.301.

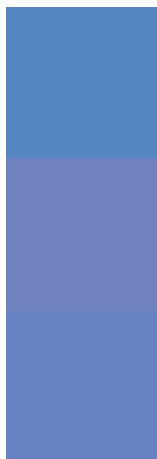


This preview shows how white text looks on a background with the CIELCh color 55, 36.228, 272.301.

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

55, 36.228, 272.301

Protanopia

55, 35.257, 285.230

Deuteranopia

55, 37.794, 282.353



Tritanopia
55, 22.868, 213.649

Trichromacy



Original Color
55, 36.228, 272.301

Protanomaly
55, 35.119, 279.897

Deuteranomaly
55, 37.555, 279.251

Tritanomaly
55, 24.545, 241.274

Monochromacy



Original Color
55, 36.228, 272.301

Achromatopsia
53, 0.007, 296.813

Achromatomaly
54, 13.518, 263.318

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 36.228, 272.301 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(86, 134, 194)` looks like.

```
.text, #text, p{  
    color:rgb(86, 134, 194)  
}
```

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(86, 134, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 134, 194) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 36.228, 272.301 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(86, 134, 194) }
```

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

```
.border{ border-color:rgb(86, 134, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 134, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 134, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 134, 194);  
box-shadow:4px 4px 4px 4px rgb(86, 134,  
194) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 36.228, 272.301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 134, 194) }
```

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

```
.background{ background-color: rgb(86, 134,  
194) }
```

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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