

Converting Colors

CIELCh(53, 37.849, 276.696)

Have a look what the booklet for
CIELCh(53, 37.849, 276.696)
contains.

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Color

CIELCh(53, 38.120, 277.001)

Conversions

Conversions Part 1

Format	Color
Hex	567FBF
RGB	86, 127, 191
RGB Percent	34%, 50%, 75%
CMY	0.6612, 0.5006, 0.2495
CMYK	0.55, 0.33, 0.00, 0.25
HSL	217°, 45%, 54%
HSV	217°, 55%, 75%
XYZ	20.9560, 21.0462, 52.4710
YIQ	122.0370, -44.9800, 11.2120

Conversions

Conversions Part 2

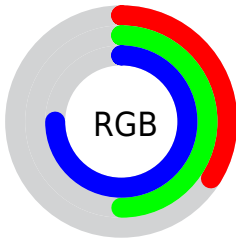
Format	Color
R_{YB}	86, 115, 191
Decimal	5668799
CIE _{Lab}	53.00, 4.65, -37.84
CIE _{LCh}	53, 38.120, 277.001
Yxy	21.0462, 0.2218, 0.2228
Android (android.graphics.Color)	4283858879 (0xFF567FBF)
YUV	122.0370, 33.9988, -31.6044
Hunter-Lab	45.8761, 1.2548, -35.6999

Details

The CIELCh color **53, 38.120, 277.001** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **65, 40.027, 78.937**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 38.508, 277.361**, and **33, 38.267, 277.316** is the 20% darker color. If you saturate the color by 10%, you get **49, 45.302, 280.090**, and if you desaturate by 10%, it is **57, 31.039, 274.319**.

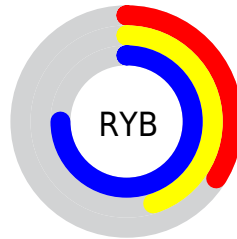
Distribution



Red (34%)

Green (50%)

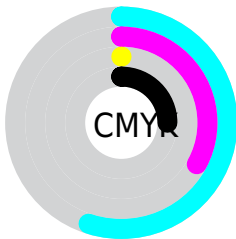
Blue (75%)



Red (34%)

Yellow (45%)

Blue (75%)

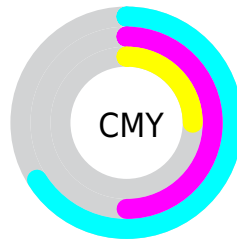


Cyan (55%)

Magenta (33%)

Yellow (0%)

Black (25%)



Cyan (66%)

Magenta (50%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 38.120, 277.001 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 53, 38.120, 277.001 by changing the saturation by 10% instead.

■ 53, 38.120,
277.001

■ 53, 38.120,
277.001

■ 100, 38.120,
277.001

■ 43, 38.120,
277.001

■ 73, 38.120,
277.001

■ 33, 38.120,
277.001

■ 83, 38.120,
277.001

■ 23, 38.120,
277.001

■ 93, 38.120,
277.001

■ 13, 38.120,
277.001

■ 3, 38.120, 277.001

■ 0, 38.120, 277.001

■ 53, 38.120,
277.001

■ 53, 38.120,
277.001

■ 49, 45.302,
280.090

■ 57, 31.039,
274.319

■ 45, 52.632,
283.567

■ 62, 24.029,
272.019

■ 41, 60.149,
287.353

■ 66, 17.072,
270.058

■ 37, 67.846,
291.285

■ 71, 10.166,
268.393

■ 36, 71.863,
293.202

■ 75, 3.314, 267.016

■ 80, 3.479, 85.624

■ 84, 10.203, 84.612

■ 89, 16.852, 83.697

■ 93, 22.823, 86.093

Harmonies

Complementary

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



53, 38.120, 277.001



65, 40.027, 78.937

Rectangle

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



53, 38.120, 277.001



53, 38.120, 327.001



53, 38.120, 97.001



53, 38.120, 147.001

Sweetspot

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



53, 38.119, 277.002



89, 13.606, 268.611



71, 42.183, 163.315



46, 9.191, 268.942



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



53, 38.119, 277.002



62, 57.329, 280.829



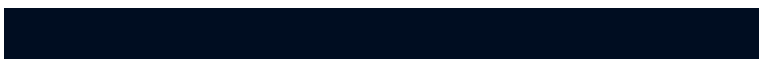
43, 62.859, 300.764



39, 3.912, 267.597



30, 62.250, 292.662



4, 14.332, 276.989

Inverse Universe

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



51, 46.491, 357.097



61, 67.536, 359.917



75, 54.038, 109.824



38, 4.748, 350.824



34, 60.072, 12.011



3, 15.041, 358.714

Previews

White Background



This preview shows how the CIE LCh color 53, 38.120, 277.001 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 53, 38.120, 277.001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

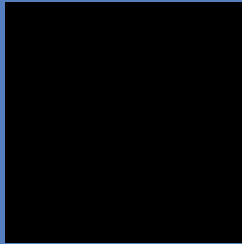
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 38.120, 277.001

Background



This preview shows how black text looks on a background with the CIELCh color 53, 38.120, 277.001.

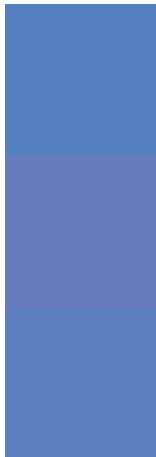


This preview shows how white text looks on a background with the CIELCh color 53, 38.120, 277.001.

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


53, 38.120, 277.001

Protanopia

53, 37.241, 285.290

Deuteranopia

53, 38.763, 280.978



Tritanopia
53, 21.678, 214.755

Trichromacy



Original Color
53, 38.120, 277.001

Protanomaly
53, 37.477, 282.344

Deuteranomaly
53, 38.911, 279.896

Tritanomaly
53, 23.884, 245.331

Monochromacy



Original Color
53, 38.120, 277.001

Achromatopsia
51, 0.007, 296.813

Achromatomaly
52, 14.245, 269.731

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 38.120, 277.001 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, 127, 191)` looks like.

```
.text, #text, p{  
    color:rgb(86, 127, 191)  
}
```

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, 127, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 127, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 38.120, 277.001 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, 127, 191) }
```

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

```
.border{ border-color:rgb(86, 127, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 127, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 127, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 127, 191);  
box-shadow:4px 4px 4px 4px rgb(86, 127,  
191) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 38.120, 277.001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 127, 191) }
```

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

```
.background{ background-color: rgb(86, 127,  
191) }
```

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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