

Converting Colors

CIELCh(53, 47.277, 288.906)

Have a look what the booklet for
CIELCh(53, 47.277, 288.906)
contains.

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Color

CIELCh(53, 47.442, 288.959)

Conversions

Conversions Part 1

Format	Color
Hex	667ACC
RGB	102, 122, 204
RGB Percent	40%, 48%, 80%
CMY	0.6007, 0.5222, 0.2007
CMYK	0.50, 0.40, 0.00, 0.20
HSL	228°, 50%, 60%
HSV	228°, 50%, 80%
XYZ	23.2778, 21.0462, 59.8523
YIQ	125.3680, -38.2420, 21.2620

Conversions

Conversions Part 2

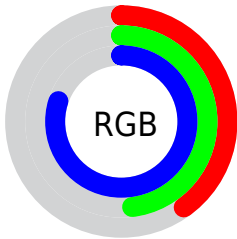
Format	Color
R _Y B	102, 119, 204
Decimal	6716108
CIE Lab	53.00, 15.41, -44.87
CIE LCh	53, 47.442, 288.959
Yxy	21.0462, 0.2234, 0.2020
Android (android.graphics.Color)	4284906188 (0xFF667ACC)
YUV	125.3680, 38.7656, -20.4937
Hunter-Lab	45.8761, 10.2888, -45.2395

Details

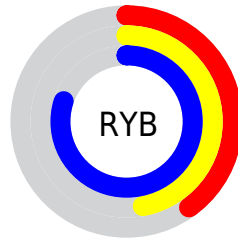
The CIELCh color $53, 47.442, 288.959$ is a dark color, and the websafe version is hex $3366CC$. A complement of this color would be $75, 44.078, 94.697$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 44.091, 288.122$, and $33, 47.174, 288.768$ is the 20% darker color. If you saturate the color by 10%, you get $47, 57.916, 291.479$, and if you desaturate by 10%, it is $59, 37.329, 286.754$.

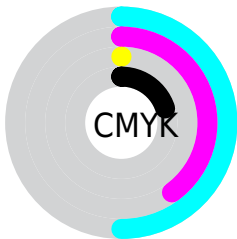
Distribution



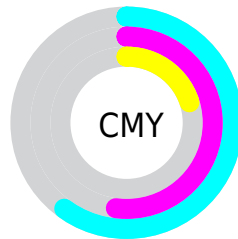
- Red (40%)
- Green (48%)
- Blue (80%)



- Red (40%)
- Yellow (47%)
- Blue (80%)



- Cyan (50%)
- Magenta (40%)
- Yellow (0%)
- Black (20%)



- Cyan (60%)
- Magenta (52%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 47.442, 288.959 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, 47.442, 288.959 by changing the saturation by 10% instead.

■ 53, 47.442,
288.959

■ 53, 47.442,
288.959

■ 100, 47.442,
288.959

■ 43, 47.442,
288.959

■ 73, 47.442,
288.959

■ 33, 47.442,
288.959

■ 83, 47.442,
288.959

■ 23, 47.442,
288.959

■ 93, 47.442,
288.959

■ 13, 47.442,
288.959

■ 3, 47.442, 288.959

■ 0, 47.442, 288.959

■ 53, 47.442,
288.959

■ 53, 47.442,
288.959

■ 47, 57.916,
291.479

■ 59, 37.329,
286.754

■ 42, 68.721,
294.277

■ 65, 27.562,
284.853

■ 37, 79.680,
297.243

■ 70, 18.110,
283.227

■ 33, 90.332,
300.174

■ 76, 8.945, 281.843

■ 29, 99.819,
302.730

■ 82, 0.046, 284.039

■ 88, 8.604, 99.584

■ 93, 17.019, 98.703

■ 98, 24.818,
106.466

■ 99, 25.822,

Harmonies

Complementary

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



53, 47.442, 288.959



75, 44.078, 94.697

Rectangle

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



53, 47.442, 288.959



53, 47.442, 338.959



53, 47.442, 108.959



53, 47.442, 158.959

Sweetspot

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



53, 47.441, 288.960



90, 16.142, 282.528



76, 34.721, 178.280



46, 11.047, 282.830



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



53, 47.441, 288.960



59, 69.505, 291.679



50, 60.068, 305.593



40, 5.052, 281.761



23, 84.528, 302.351



3, 20.360, 287.076

Inverse Universe

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



56, 43.117, 10.477



64, 62.177, 13.202



78, 53.791, 118.994



40, 4.511, 4.344



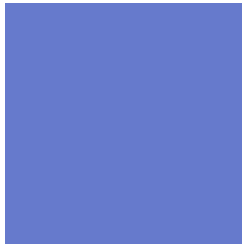
34, 67.197, 29.249



4, 18.204, 9.834

Previews

White Background



This preview shows how the CIE LCh color 53, 47.442, 288.959 looks on a white background.

Color Contrast Check

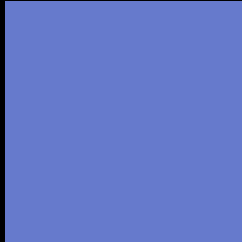
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 53, 47.442, 288.959 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

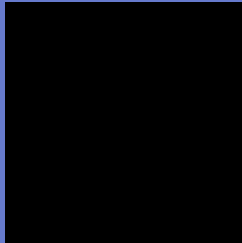
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 47.442, 288.959

Background



This preview shows how black text looks on a background with the CIELCh color 53, 47.442, 288.959.

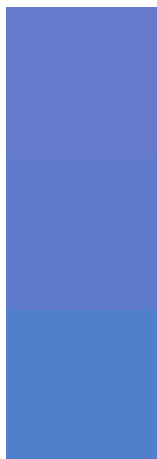


This preview shows how white text looks on a background with the CIELCh color 53, 47.442, 288.959.

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, 47.442, 288.959

Protanopia

53, 47.629, 286.247

Deuteranopia

53, 44.782, 279.721



Tritanopia
53, 18.016, 218.747

Trichromacy



Original Color
53, 47.442, 288.959

Protanomaly
53, 47.539, 287.108

Deuteranomaly
53, 45.551, 283.190

Tritanomaly
53, 23.810, 260.542

Monochromacy



Original Color
53, 47.442, 288.959

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 17.512, 284.167

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 47.442, 288.959 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(102, 122, 204)` looks like.

```
.text, #text, p{  
    color:rgb(102, 122, 204)  
}
```

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(102, 122, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 122, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 47.442, 288.959 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(102, 122, 204) }
```

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

```
.border{ border-color:rgb(102, 122, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 122, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 122, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 122, 204);  
box-shadow:4px 4px 4px 4px rgb(102, 122,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 47.442, 288.959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 122, 204) }
```

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

```
.background{ background-color: rgb(102,  
122, 204) }
```

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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