

Converting Colors

CIELCh(53, 45.542, 304.919)

Have a look what the booklet for
CIELCh(53, 45.542, 304.919)
contains.

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Color

CIELCh(53, 45.277, 304.653)

Conversions

Conversions Part 1

Format	Color
Hex	8972BF
RGB	137, 114, 191
RGB Percent	54%, 45%, 75%
CMY	0.4635, 0.5537, 0.2518
CMYK	0.28, 0.40, 0.00, 0.25
HSL	258°, 37%, 60%
HSV	258°, 40%, 75%
XYZ	25.6611, 21.0462, 51.8805
YIQ	129.6550, -11.0090, 28.8230

Conversions

Conversions Part 2

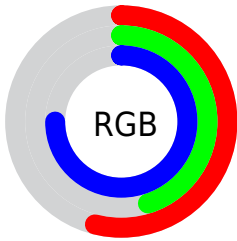
Format	Color
R_{YB}	137, 114, 191
Decimal	9007807
CIE _{Lab}	53.00, 25.74, -37.25
CIE _{LCh}	53, 45.277, 304.653
Yxy	21.0462, 0.2603, 0.2135
Android (android.graphics.Color)	4287197887 (0xFF8972BF)
YUV	129.6550, 30.2431, 6.4416
Hunter-Lab	45.8761, 19.5619, -34.9367

Details

The CIELCh color $53, 45.277, 304.653$ is a dark color, and the websafe version is hex `9966CC`. A complement of this color would be $74, 41.606, 119.435$, and the grayscale version is $54, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 45.498, 304.682$, and $33, 44.958, 304.675$ is the 20% darker color. If you saturate the color by 10%, you get $47, 57.275, 305.561$, and if you desaturate by 10%, it is $59, 33.511, 303.808$.

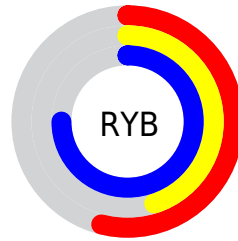
Distribution



Red (54%)

Green (45%)

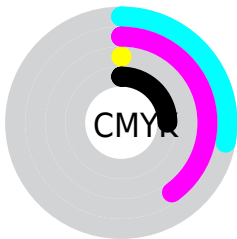
Blue (75%)



Red (54%)

Yellow (45%)

Blue (75%)

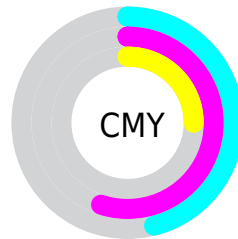


Cyan (28%)

Magenta (40%)

Yellow (0%)

Black (25%)



Cyan (46%)


Magenta (55%)


Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 45.277, 304.653 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, 45.277, 304.653 by changing the saturation by 10% instead.


 53, 45.277,
304.653


 53, 45.277,
304.653


 100, 45.277,
304.653


 43, 45.277,
304.653


 73, 45.277,
304.653

 33, 45.277,
304.653

 83, 45.277,
304.653

 23, 45.277,
304.653

 93, 45.277,
304.653

 13, 45.277,
304.653

 3, 45.277, 304.653

 0, 45.277, 304.653

■ 53, 45.277,
304.653

■ 53, 45.277,
304.653

■ 47, 57.275,
305.561

■ 59, 33.511,
303.808

■ 42, 69.279,
306.488

■ 65, 22.085,
303.042

■ 36, 80.841,
307.356

■ 71, 11.037,
302.361

■ 32, 91.191,
308.034

■ 77, 0.372, 301.645

■ 83, 9.919, 121.255


■ 28, 99.244,
308.346

■ 89, 19.853,
120.802

■ 26, 104.459,
308.288

■ 95, 29.450,
120.413

■ 98, 32.629,
115.149

 99, 32.316,
107.718

Harmonies

Complementary

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



53, 45.277, 304.653



74, 41.606, 119.435

Rectangle

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



53, 45.277, 304.653



53, 45.277, 354.653



53, 45.277, 124.653



53, 45.277, 174.653

Sweetspot

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



53, 45.276, 304.653



88, 15.855, 302.481



66, 20.959, 233.687



46, 10.627, 302.568



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, 45.276, 304.653



62, 67.293, 305.414



57, 48.219, 320.045



37, 5.981, 302.298



20, 90.739, 308.417



1, 17.664, 298.898

Inverse Universe

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



58, 41.252, 337.232



70, 59.859, 337.979



72, 47.307, 136.120



37, 5.734, 334.829



35, 64.780, 344.526



3, 16.100, 339.721

Previews

White Background



This preview shows how the CIELCh color 53, 45.277, 304.653 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, 45.277, 304.653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

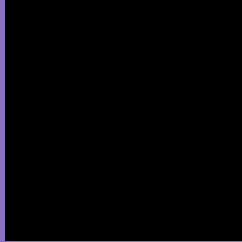
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 45.277, 304.653

Background



This preview shows how black text looks on a background with the CIELCh color 53, 45.277, 304.653.

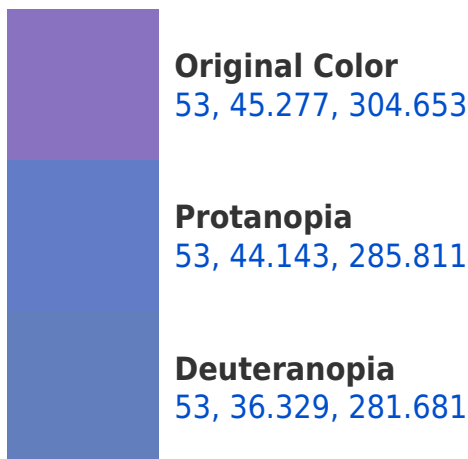



This preview shows how white text looks on a background with the CIELCh color 53, 45.277, 304.653.

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





Tritanopia
53, 5.790, 290.903

Trichromacy



Original Color
53, 45.277, 304.653

Protanomaly
53, 44.525, 292.375

Deuteranomaly
53, 38.754, 290.684

Tritanomaly
53, 19.986, 300.898

Monochromacy



Original Color
53, 45.277, 304.653

Achromatopsia
54, 0.007, 296.813

Achromatomaly
53, 16.617, 303.698

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 45.277, 304.653 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(137, 114, 191)` looks like.

```
.text, #text, p{  
    color:rgb(137, 114, 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(137, 114, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 114, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 45.277, 304.653 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(137, 114, 191) }
```

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

```
.border{ border-color:rgb(137, 114, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 114, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 114, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 114, 191);  
box-shadow:4px 4px 4px 4px rgb(137, 114,  
191) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 45.277, 304.653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 114, 191) }
```

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

```
.background{ background-color: rgb(137,  
114, 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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