

Converting Colors

CIELCh(54, 51.171, 275.024)

Have a look what the booklet for
CIELCh(54, 51.171, 275.024)
contains.

CIELCh(54, 50.890, 274.702)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(54, 50.890, 274.702)

Conversions

Conversions Part 1

Format	Color
Hex	2D84D9
RGB	45, 132, 217
RGB Percent	18%, 52%, 85%
CMY	0.8253, 0.4834, 0.1501
CMYK	0.79, 0.39, 0.00, 0.15
HSL	210°, 69%, 51%
HSV	210°, 79%, 85%
XYZ	21.7645, 21.9746, 68.5435
YIQ	115.6770, -79.1370, 7.9910

Conversions

Conversions Part 2

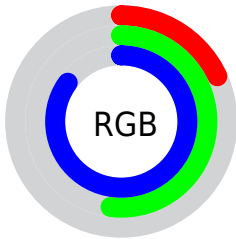
Format	Color
R_{YB}	45, 103, 217
Decimal	2983129
CIE _{Lab}	54.00, 4.17, -50.72
CIE _{LCh}	54, 50.890, 274.702
Y _{xy}	21.9746, 0.1938, 0.1957
Android (android.graphics.Color)	4281173209 (0xFF2D84D9)
YUV	115.6770, 49.9522, -61.9837
Hunter-Lab	46.8770, 0.8408, -53.8798

Details

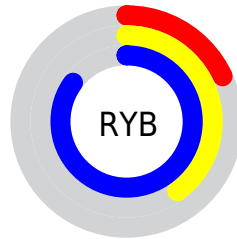
The CIELCh color **54, 50.890, 274.702** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **62, 63.339, 64.377**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **73, 41.250, 266.818**, and **36, 49.129, 281.979** is the 20% darker color. If you saturate the color by 10%, you get **51, 57.024, 279.138**, and if you desaturate by 10%, it is **58, 44.827, 270.660**.

Distribution



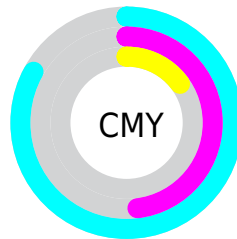
- Red (18%)
- Green (52%)
- Blue (85%)



- Red (18%)
- Yellow (40%)
- Blue (85%)



- Cyan (79%)
- Magenta (39%)
- Yellow (0%)
- Black (15%)





- Cyan (83%)
- Magenta (48%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 54, 50.890, 274.702 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 54, 50.890, 274.702 by changing the saturation by 10% instead.


 54, 50.890,
274.702


 54, 50.890,
274.702


 100, 50.890,
274.702


 44, 50.890,
274.702


 74, 50.890,
274.702

 34, 50.890,
274.702

 84, 50.890,
274.702

 24, 50.890,
274.702

 94, 50.890,
274.702

 14, 50.890,
274.702

 4, 50.890, 274.702

 0, 50.890, 274.702

■ 54, 50.890,
274.702

■ 54, 50.890,
274.702

■ 51, 57.024,
279.138

■ 58, 44.827,
270.660

■ 47, 63.348,
283.703

■ 62, 38.734,
267.103

■ 47, 63.706,
283.941

■ 66, 32.537,
264.050

■ 70, 26.201,
261.469

■ 74, 19.723,
259.303

■ 78, 13.119,
257.493

■ 82, 6.412, 255.996

■ 87, 0.367, 73.565

Harmonies

Complementary

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



54, 50.890, 274.702



62, 63.339, 64.377

Rectangle

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



54, 50.890, 274.702



54, 50.890, 324.702



54, 50.890, 94.702



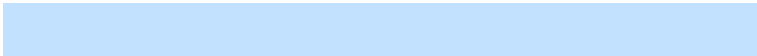
54, 50.890, 144.702

Sweetspot

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



54, 50.889, 274.703



88, 18.413, 258.316



77, 69.609, 152.525



45, 12.616, 258.985



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



54, 50.889, 274.703



57, 69.032, 282.107



33, 101.382, 303.395



43, 3.815, 255.991



37, 52.505, 283.139



7, 17.034, 272.277

Inverse Universe

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



50, 70.444, 354.641



55, 84.266, 0.221



83, 77.904, 102.509



42, 5.554, 344.040



37, 62.878, 1.117



5, 23.595, 353.829

Previews

White Background



This preview shows how the CIE LCh color 54, 50.890, 274.702 looks on a white background.

Color Contrast Check

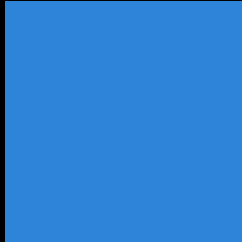
Large Text (above 18pt) WCAG AA ✓ Pass

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 54, 50.890, 274.702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

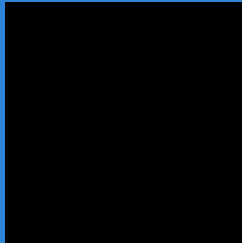
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

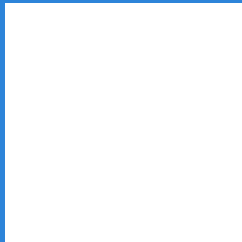
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 54, 50.890, 274.702

Background



This preview shows how black text looks on a background with the CIELCh color 54, 50.890, 274.702.

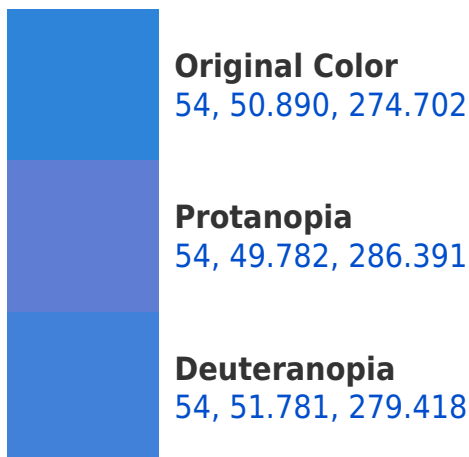


This preview shows how white text looks on a background with the CIELCh color 54, 50.890, 274.702.

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
54, 31.504, 207.307

Trichromacy



Original Color
54, 50.890, 274.702

Protanomaly
54, 50.350, 281.507

Deuteranomaly
54, 51.492, 277.697

Tritanomaly
54, 32.930, 238.426

Monochromacy



Original Color
54, 50.890, 274.702

Achromatopsia
48, 0.006, 296.813

Achromatomaly
50, 20.572, 261.533

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 50.890, 274.702 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(45, 132, 217)` looks like.

```
.text, #text, p{  
    color:rgb(45, 132, 217)  
}
```

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(45, 132, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 132, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 50.890, 274.702 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(45, 132, 217) }
```

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

```
.border{ border-color:rgb(45, 132, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 132, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 132, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 132, 217);  
box-shadow:4px 4px 4px 4px rgb(45, 132,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 50.890, 274.702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 132, 217) }
```

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

```
.background{ background-color: rgb(45, 132,  
217) }
```

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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