

Converting Colors

CIELCh(53, 35.194, 255.962)

Have a look what the booklet for
CIELCh(53, 35.194, 255.962)
contains.

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Color

CIELCh(53, 35.194, 255.962)

Conversions

Conversions Part 1

Format	Color
Hex	2E86B9
RGB	46, 134, 185
RGB Percent	18%, 53%, 73%
CMY	0.8211, 0.4755, 0.2755
CMYK	0.75, 0.28, 0.00, 0.28
HSL	202°, 60%, 45%
HSV	202°, 75%, 72%
XYZ	18.3302, 21.0462, 48.8503
YIQ	113.5020, -68.8190, -2.7950

Conversions

Conversions Part 2

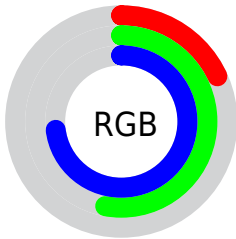
Format	Color
R_{YB}	46, 100, 185
Decimal	3049145
CIE _{Lab}	53.00, -8.54, -34.14
CIE _{LCh}	53, 35.194, 255.962
Yxy	21.0462, 0.2078, 0.2385
Android (android.graphics.Color)	4281239225 (0xFF2E86B9)
YUV	113.5020, 35.2485, -59.1993
Hunter-Lab	45.8761, -8.9620, -31.0206

Details

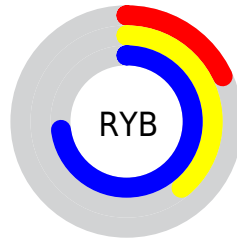
The CIELCh color **53, 35.194, 255.962** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **51, 54.021, 54.033**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **73, 35.085, 255.819**, and **34, 32.542, 264.239** is the 20% darker color. If you saturate the color by 10%, you get **51, 38.533, 260.295**, and if you desaturate by 10%, it is **56, 31.584, 252.251**.

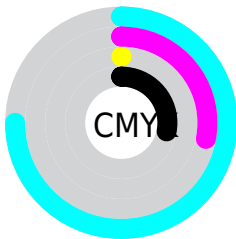
Distribution



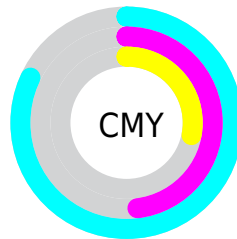
- Red (18%)
- Green (53%)
- Blue (73%)



- Red (18%)
- Yellow (39%)
- Blue (73%)



- Cyan (75%)
- Magenta (28%)
- Yellow (0%)
- Black (28%)



- Cyan (82%)
- Magenta (48%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 35.194, 255.962 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, 35.194, 255.962 by changing the saturation by 10% instead.

■ 53, 35.194,
255.962

■ 53, 35.194,
255.962

■ 100, 35.194,
255.962

■ 43, 35.194,
255.962

■ 73, 35.194,
255.962

■ 33, 35.194,
255.962

■ 83, 35.194,
255.962

■ 23, 35.194,
255.962

■ 93, 35.194,
255.962

■ 13, 35.194,
255.962

■ 3, 35.194, 255.962

■ 0, 35.194, 255.962

■ 53, 35.194,
255.962

■ 53, 35.194,
255.962

■ 51, 38.533,
260.295

■ 56, 31.584,
252.251

■ 48, 41.733,
265.166

■ 58, 27.632,
249.149

■ 47, 43.276,
267.452

■ 61, 23.315,
246.598

■ 64, 18.648,
244.520

■ 67, 13.669,
242.836

■ 70, 8.425, 241.480

■ 73, 2.968, 240.456

■ 77, 2.656, 59.226

Harmonies

Complementary

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



53, 35.194, 255.962



51, 54.021, 54.033

Rectangle

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



53, 35.194, 255.962



53, 35.194, 305.962



53, 35.194, 75.962



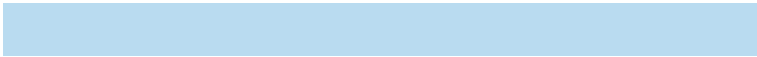
53, 35.194, 125.962

Sweetspot

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



53, 35.193, 255.963



86, 15.415, 242.551



67, 66.372, 147.617



44, 10.584, 243.092



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



53, 35.193, 255.963



63, 49.255, 263.253



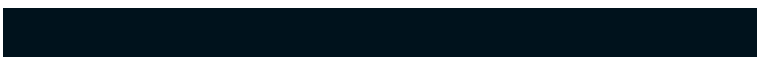
34, 72.938, 297.730



37, 3.135, 240.817



40, 37.762, 266.709



5, 9.068, 253.937

Inverse Universe

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



44, 64.295, 344.795



54, 83.971, 347.981



67, 60.320, 94.815



36, 5.341, 337.742



34, 61.549, 349.682



3, 13.335, 343.086

Previews

White Background



This preview shows how the CIELCh color 53, 35.194, 255.962 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, 35.194, 255.962 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

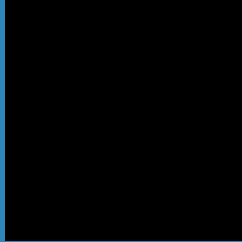
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 35.194, 255.962

Background



This preview shows how black text looks on a background with the CIELCh color 53, 35.194, 255.962.

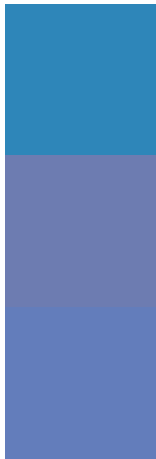


This preview shows how white text looks on a background with the CIELCh color 53, 35.194, 255.962.

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

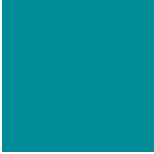
53, 35.194, 255.962

Protanopia

53, 30.877, 284.963

Deuteranopia

53, 36.327, 282.156



Tritanopia
53, 30.963, 208.673

Trichromacy



Original Color
53, 35.194, 255.962

Protanomaly
53, 31.889, 270.979

Deuteranomaly
53, 35.409, 271.827

Tritanomaly
53, 30.480, 225.831

Monochromacy



Original Color
53, 35.194, 255.962

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 15.021, 243.606

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 35.194, 255.962 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(46, 134, 185)` looks like.

```
.text, #text, p{  
    color:rgb(46, 134, 185)  
}
```

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(46, 134, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 134, 185) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 35.194, 255.962 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(46, 134, 185) }
```

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

```
.border{ border-color:rgb(46, 134, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 134, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 134, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 134, 185);  
box-shadow:4px 4px 4px 4px rgb(46, 134,  
185) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 35.194, 255.962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 134, 185) }
```

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

```
.background{ background-color: rgb(46, 134,  
185) }
```

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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