

Converting Colors

CIELCh(57, 31.464, 234.682)

Have a look what the booklet for
CIELCh(57, 31.464, 234.682)
contains.

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Color

CIELCh(57, 31.464, 234.682)

Conversions

Conversions Part 1

Format	Color
Hex	2A94B5
RGB	42, 148, 181
RGB Percent	16%, 58%, 71%
CMY	0.8366, 0.4205, 0.2911
CMYK	0.77, 0.18, 0.00, 0.29
HSL	194°, 63%, 44%
HSV	194°, 77%, 71%
XYZ	19.8130, 24.9227, 47.3600
YIQ	120.0680, -73.7690, -12.2090

Conversions

Conversions Part 2

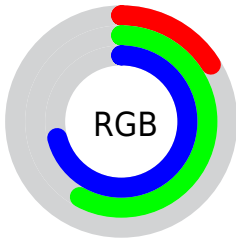
Format	Color
R_{YB}	42, 102, 181
Decimal	2790581
CIE _{Lab}	57.00, -18.19, -25.67
CIE _{LCh}	57, 31.464, 234.682
Yxy	24.9227, 0.2151, 0.2706
Android (android.graphics.Color)	4280980661 (0xFF2A94B5)
YUV	120.0680, 30.0395, -68.4656
Hunter-Lab	49.9226, -16.5225, -21.3007

Details

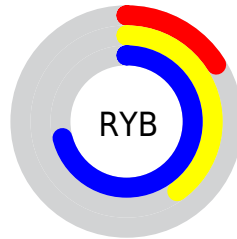
The CIELCh color **57, 31.464, 234.682** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **46, 57.630, 44.336**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **77, 31.464, 234.938**, and **38, 27.023, 243.070** is the 20% darker color. If you saturate the color by 10%, you get **55, 33.192, 238.124**, and if you desaturate by 10%, it is **59, 29.163, 231.886**.

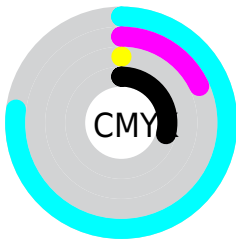
Distribution



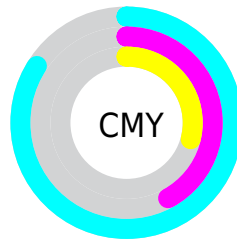
- Red (16%)
- Green (58%)
- Blue (71%)



- Red (16%)
- Yellow (40%)
- Blue (71%)



- Cyan (77%)
- Magenta (18%)
- Yellow (0%)
- Black (29%)





- Cyan (84%)
- Magenta (42%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 31.464, 234.682 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 57, 31.464, 234.682 by changing the saturation by 10% instead.


 57, 31.464,
234.682


 57, 31.464,
234.682


 100, 31.464,
234.682


 47, 31.464,
234.682


 77, 31.464,
234.682

 37, 31.464,
234.682

 87, 31.464,
234.682

 27, 31.464,
234.682

 97, 31.464,
234.682

 17, 31.464,
234.682

 7, 31.464, 234.682

 0, 31.464, 234.682

■ 57, 31.464,
234.682

■ 57, 31.464,
234.682

■ 55, 33.192,
238.124

■ 59, 29.163,
231.886

■ 54, 34.477,
242.208

■ 61, 26.248,
229.662

■ 53, 34.858,
243.478

■ 63, 22.730,
227.921

■ 65, 18.658,
226.577

■ 67, 14.102,
225.556

■ 69, 9.139, 224.799

■ 72, 3.845, 224.297

■ 74, 1.712, 43.460

Harmonies

Complementary

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



57, 31.464, 234.682



46, 57.630, 44.336

Rectangle

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



57, 31.464, 234.682



57, 31.464, 284.682



57, 31.464, 54.682



57, 31.464, 104.682

Sweetspot

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



57, 31.463, 234.682



86, 15.039, 225.258



65, 72.598, 143.248



45, 10.285, 225.556



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



57, 31.463, 234.682



70, 41.412, 240.759



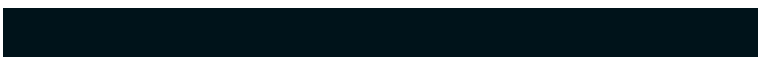
37, 62.663, 292.519



37, 3.080, 224.385



46, 30.733, 242.832



5, 7.480, 235.034

Inverse Universe

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



44, 69.282, 337.732



53, 89.818, 339.631



61, 56.115, 86.007



35, 5.722, 332.421



34, 65.944, 340.281



2, 12.882, 335.466

Previews

White Background



This preview shows how the CIELCh color 57, 31.464, 234.682 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 57, 31.464, 234.682 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 57, 31.464, 234.682

Background



This preview shows how black text looks on a background with the CIELCh color 57, 31.464, 234.682.

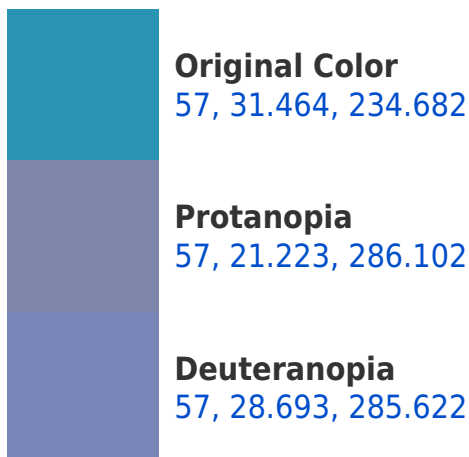


This preview shows how white text looks on a background with the CIELCh color 57, 31.464, 234.682.

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
57, 31.663, 209.397

Trichromacy



Original Color
57, 31.464, 234.682

Protanomaly
56, 24.052, 258.266

Deuteranomaly
56, 28.068, 263.298

Tritanomaly
57, 31.038, 217.673

Monochromacy



Original Color
57, 31.464, 234.682

Achromatopsia
50, 0.007, 296.813

Achromatomaly
52, 14.724, 226.701

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 31.464, 234.682 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(42, 148, 181)` looks like.

```
.text, #text, p{  
    color:rgb(42, 148, 181)  
}
```

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(42, 148, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 148, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 31.464, 234.682 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(42, 148, 181) }
```

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

```
.border{ border-color:rgb(42, 148, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 148, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 148, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 148, 181);  
box-shadow:4px 4px 4px 4px rgb(42, 148,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 31.464, 234.682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 148, 181) }
```

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

```
.background{ background-color: rgb(42, 148,  
181) }
```

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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