

Converting Colors

CIELCh(64, 25.838, 240.558)

Have a look what the booklet for
CIELCh(64, 25.838, 240.558)
contains.

CIELCh(64, 25.965, 242.024)	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(64, 25.965, 242.024)

Conversions

Conversions Part 1

Format	Color
Hex	61A3C3
RGB	97, 163, 195
RGB Percent	38%, 64%, 76%
CMY	0.6185, 0.3597, 0.2342
CMYK	0.50, 0.16, 0.00, 0.23
HSL	200°, 45%, 57%
HSV	200°, 50%, 77%
XYZ	27.9886, 32.8017, 56.6539
YIQ	146.9140, -49.6080, -4.0400

Conversions

Conversions Part 2

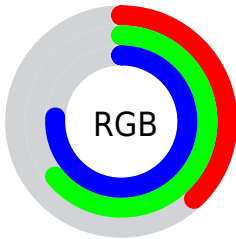
Format	Color
R _Y B	97, 136, 195
Decimal	6398915
CIE Lab	64.00, -12.18, -22.93
CIE LCh	64, 25.965, 242.024
Yxy	32.8017, 0.2383, 0.2793
Android (android.graphics.Color)	4284588995 (0xFF61A3C3)
YUV	146.9140, 23.7064, -43.7746
Hunter-Lab	57.2727, -12.9963, -18.5584

Details

The CIELCh color `64, 25.965, 242.024` is a light color, and the websafe version is hex `3399CC`. A complement of this color would be `60, 35.337, 51.671`, and the grayscale version is `61, 0.008, 296.813`.

A 20% lighter version of the original color is `84, 26.070, 242.233`, and `44, 25.976, 242.154` is the 20% darker color. If you saturate the color by 10%, you get `61, 29.965, 244.649`, and if you desaturate by 10%, it is `67, 21.506, 239.907`.

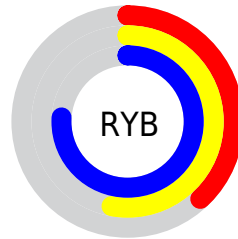
Distribution



Red (38%)

Green (64%)

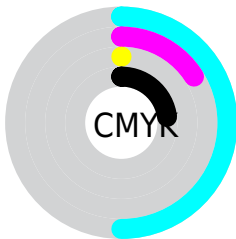
Blue (76%)



Red (38%)

Yellow (53%)

Blue (76%)

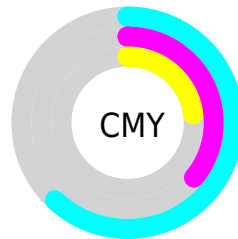


Cyan (50%)

Magenta (16%)

Yellow (0%)

Black (23%)



Cyan (62%)


Magenta (36%)


Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 25.965, 242.024 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 64, 25.965, 242.024 by changing the saturation by 10% instead.

 64, 25.965,
242.024


 64, 25.965,
242.024


 100, 25.965,
242.024


 54, 25.965,
242.024


 84, 25.965,
242.024

 44, 25.965,
242.024

 94, 25.965,
242.024

 34, 25.965,
242.024

 24, 25.965,
242.024

 14, 25.965,
242.024

 4, 25.965, 242.024

 0, 25.965, 242.024

■ 64, 25.965,
242.024

■ 64, 25.965,
242.024

■ 61, 29.965,
244.649

■ 67, 21.506,
239.907

■ 59, 33.496,
247.870

■ 70, 16.631,
238.215

■ 56, 36.598,
251.746

■ 73, 11.400,
236.870

■ 54, 39.370,
256.277

■ 76, 5.872, 235.826

■ 52, 41.979,
261.135

■ 79, 0.110, 239.269

■ 82, 5.835, 54.097

■ 85, 11.914, 53.579

■ 89, 18.089, 53.140

■ 90, 18.695, 64.348

Harmonies

Complementary

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



64, 25.965, 242.024



60, 35.337, 51.671

Rectangle

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



64, 25.965, 242.024



64, 25.965, 292.024



64, 25.965, 62.024



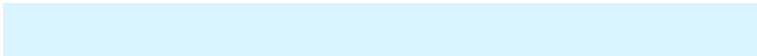
64, 25.965, 112.024

Sweetspot

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



64, 25.964, 242.023



94, 10.637, 236.318



72, 50.383, 150.203



49, 7.224, 236.549



0, 0.000, 0.000



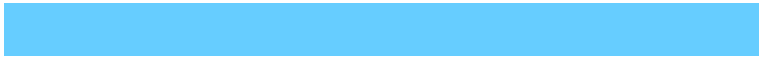
53, 0.007, 296.813

Same Dimension

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



64, 25.964, 242.023



78, 36.984, 244.877



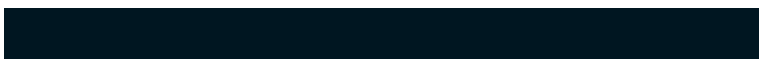
50, 46.710, 289.640



39, 3.255, 235.755



43, 36.027, 260.321



6, 10.768, 249.371

Inverse Universe

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



55, 50.572, 339.451



66, 72.875, 340.607



72, 43.150, 95.536



38, 5.745, 336.000



35, 64.411, 346.632



3, 17.852, 341.818

Previews

White Background



This preview shows how the CIE LCh color 64, 25.965, 242.024 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 64, 25.965, 242.024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

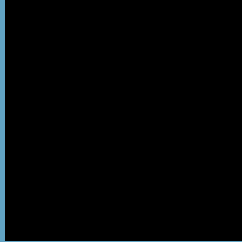
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 25.965, 242.024

Background



This preview shows how black text looks on a background with the CIELCh color 64, 25.965, 242.024.



This preview shows how white text looks on a background with the CIELCh color 64, 25.965, 242.024.

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

64, 25.965, 242.024

Protanopia

64, 19.628, 285.202

Deuteranopia

64, 25.707, 288.413



Tritanopia
64, 23.907, 215.426

Trichromacy



Original Color
64, 25.965, 242.024

Protanomaly
64, 20.891, 264.940

Deuteranomaly
64, 24.251, 270.666

Tritanomaly
64, 24.062, 225.680

Monochromacy



Original Color
64, 25.965, 242.024

Achromatopsia
61, 0.008, 296.813

Achromatomaly
62, 10.725, 237.928

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 25.965, 242.024 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(97, 163, 195)` looks like.

```
.text, #text, p{  
    color:rgb(97, 163, 195)  
}
```

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(97, 163, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 163, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 25.965, 242.024 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(97, 163, 195) }
```

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

```
.border{ border-color:rgb(97, 163, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 163, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 163, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 163, 195);  
box-shadow:4px 4px 4px 4px rgb(97, 163,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 25.965, 242.024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 163, 195) }
```

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

```
.background{ background-color: rgb(97, 163,  
195) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor