

Converting Colors

CIELCh(64, 33.302, 246.065)

Have a look what the booklet for
CIELCh(64, 33.302, 246.065)
contains.

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Color

CIELCh(64, 33.313, 245.972)

Conversions

Conversions Part 1

Format	Color
Hex	4AA5D1
RGB	74, 165, 209
RGB Percent	29%, 65%, 82%
CMY	0.7115, 0.3544, 0.1819
CMYK	0.65, 0.21, 0.00, 0.18
HSL	200°, 59%, 55%
HSV	200°, 65%, 82%
XYZ	27.6406, 32.8017, 64.9481
YIQ	142.8070, -68.3600, -5.6080

Conversions

Conversions Part 2

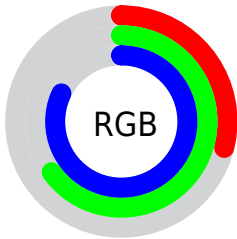
Format	Color
R_{YB}	74, 128, 209
Decimal	4892113
CIE _{Lab}	64.00, -13.56, -30.43
CIE _{LCh}	64, 33.313, 245.972
Yxy	32.8017, 0.2204, 0.2616
Android (android.graphics.Color)	4283082193 (0xFF4AA5D1)
YUV	142.8070, 32.6331, -60.3437
Hunter-Lab	57.2727, -14.0808, -27.1448

Details

The CIELCh color **64, 33.313, 245.972** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **59, 50.641, 51.047**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 30.103, 236.281**, and **44, 31.862, 248.814** is the 20% darker color. If you saturate the color by 10%, you get **61, 36.798, 249.515**, and if you desaturate by 10%, it is **67, 29.339, 243.063**.

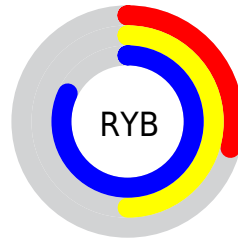
Distribution



Red (29%)

Green (65%)

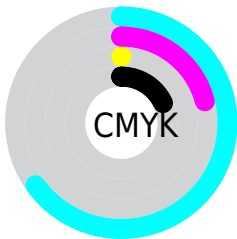
Blue (82%)



Red (29%)

Yellow (50%)

Blue (82%)

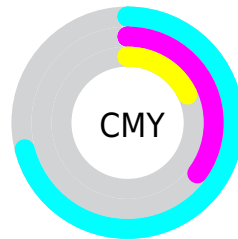


Cyan (65%)

Magenta (21%)

Yellow (0%)

Black (18%)



Cyan (71%)


Magenta (35%)


Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 33.313, 245.972 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, 33.313, 245.972 by changing the saturation by 10% instead.


 64, 33.313,
245.972


 64, 33.313,
245.972


 100, 33.313,
245.972


 54, 33.313,
245.972


 84, 33.313,
245.972

 44, 33.313,
245.972

 94, 33.313,
245.972

 34, 33.313,
245.972

 24, 33.313,
245.972

 14, 33.313,
245.972

 4, 33.313, 245.972

 0, 33.313, 245.972

64, 33.313,
245.972

64, 33.313,
245.972

61, 36.798,
249.515

67, 29.339,
243.063

59, 39.868,
253.730

70, 24.868,
240.710

57, 42.665,
258.571

73, 19.930,
238.825

56, 44.137,
261.206

76, 14.581,
237.324

79, 8.888, 236.143

82, 2.915, 235.298

85, 3.277, 54.201

89, 9.633, 53.686

92, 14.134, 58.522

Harmonies

Complementary

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



64, 33.313, 245.972



59, 50.641, 51.047

Rectangle

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



64, 33.313, 245.972



64, 33.313, 295.972



64, 33.313, 65.972



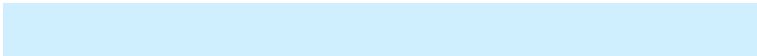
64, 33.313, 115.972

Sweetspot

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



64, 33.312, 245.972



93, 13.354, 236.636



75, 66.586, 148.042



48, 9.129, 236.985



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 33.312, 245.972



73, 44.351, 251.189



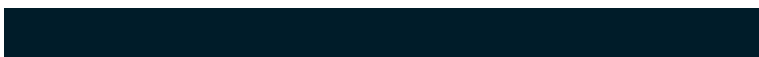
45, 65.273, 293.430



42, 3.465, 235.635



45, 37.297, 260.356



9, 12.967, 248.565

Inverse Universe

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



53, 65.799, 341.034



60, 86.230, 342.984



75, 57.561, 93.739



41, 6.122, 335.964



37, 66.650, 346.647



5, 24.243, 342.458

Previews

White Background



This preview shows how the CIELCh color 64, 33.313, 245.972 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 CIELCh color 64, 33.313, 245.972 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, 33.313, 245.972

Background



This preview shows how black text looks on a background with the CIELCh color 64, 33.313, 245.972.

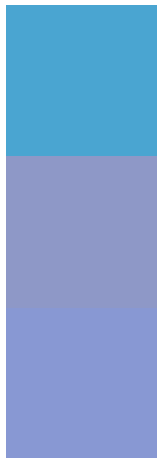


This preview shows how white text looks on a background with the CIELCh color 64, 33.313, 245.972.

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, 33.313, 245.972

Protanopia

64, 26.359, 285.754

Deuteranopia

64, 33.134, 284.906



Tritanopia
64, 30.688, 211.983

Trichromacy



Original Color
64, 33.313, 245.972

Protanomaly
63, 27.465, 265.973

Deuteranomaly
64, 31.729, 268.792

Tritanomaly
64, 30.380, 225.039

Monochromacy



Original Color
64, 33.313, 245.972

Achromatopsia
59, 0.008, 296.813

Achromatomaly
60, 14.289, 238.050

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 33.313, 245.972 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(74, 165, 209)` looks like.

```
.text, #text, p{  
    color:rgb(74, 165, 209)  
}
```

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(74, 165, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 165, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 33.313, 245.972 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(74, 165, 209) }
```

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

```
.border{ border-color:rgb(74, 165, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 165, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 165, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 165, 209);  
box-shadow:4px 4px 4px 4px rgb(74, 165,  
209) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 33.313, 245.972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 165, 209) }
```

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

```
.background{ background-color: rgb(74, 165,  
209) }
```

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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