

Converting Colors

CIELCh(51, 65.530, 284.589)

Have a look what the booklet for
CIELCh(51, 65.530, 284.589)
contains.

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Color

CIELCh(51, 65.626, 284.593)

Conversions

Conversions Part 1

Format	Color
Hex	2277E7
RGB	34, 119, 231
RGB Percent	13%, 47%, 91%
CMY	0.8676, 0.5337, 0.0946
CMYK	0.85, 0.49, 0.00, 0.09
HSL	214°, 80%, 52%
HSV	214°, 85%, 91%
XYZ	21.6435, 19.2686, 78.0943
YIQ	106.3530, -86.6120, 16.8120

Conversions

Conversions Part 2

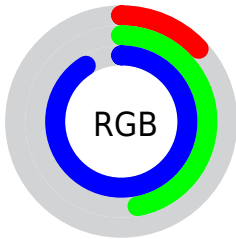
Format	Color
R_{YB}	34, 93, 231
Decimal	2258919
CIE _{Lab}	51.00, 16.53, -63.51
CIE _{LCh}	51, 65.626, 284.593
Yxy	19.2686, 0.1819, 0.1619
Android (android.graphics.Color)	4280448999 (0xFF2277E7)
YUV	106.3530, 61.4510, -63.4536
Hunter-Lab	43.8960, 11.1935, -74.7541

Details

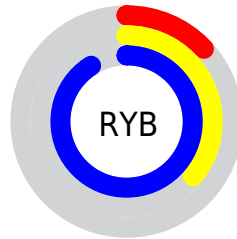
The CIELCh color **51, 65.626, 284.593** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **68, 70.659, 69.810**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 47.508, 276.439**, and **33, 63.703, 291.238** is the 20% darker color. If you saturate the color by 10%, you get **47, 73.783, 288.805**, and if you desaturate by 10%, it is **55, 57.684, 280.555**.

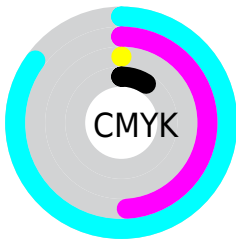
Distribution



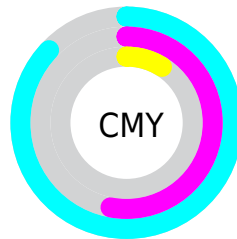
- Red (13%)
- Green (47%)
- Blue (91%)



- Red (13%)
- Yellow (36%)
- Blue (91%)



- Cyan (85%)
- Magenta (49%)
- Yellow (0%)
- Black (9%)





- Cyan (87%)
- Magenta (53%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 65.626, 284.593 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 51, 65.626, 284.593 by changing the saturation by 10% instead.


 51, 65.626,
284.593


 51, 65.626,
284.593


 100, 65.626,
284.593


 41, 65.626,
284.593


 71, 65.626,
284.593

 31, 65.626,
284.593

 81, 65.626,
284.593

 21, 65.626,
284.593

 91, 65.626,
284.593

 11, 65.626,
284.593

 1, 65.626, 284.593

 0, 65.626, 284.593

■ 51, 65.626,
284.593

■ 51, 65.626,
284.593

■ 47, 73.783,
288.805

■ 55, 57.684,
280.555

■ 45, 77.629,
290.678

■ 60, 49.917,
276.861

■ 64, 42.251,
273.596

■ 69, 34.626,
270.776

■ 74, 27.004,
268.371

■ 79, 19.373,
266.333

■ 84, 11.736,
264.613

■ 89, 4.106, 263.197

Harmonies

Complementary

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



51, 65.626, 284.593



68, 70.659, 69.810

Rectangle

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



51, 65.626, 284.593



51, 65.626, 334.593



51, 65.626, 104.593



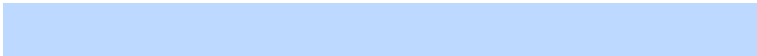
51, 65.626, 154.593

Sweetspot

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



51, 65.626, 284.594



86, 21.512, 266.477



82, 70.640, 155.691



44, 14.582, 267.156



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



51, 65.626, 284.594



50, 84.172, 290.915



33, 114.221, 305.340



46, 4.312, 263.731



35, 62.908, 289.942



7, 22.198, 281.785

Inverse Universe

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



51, 74.939, 2.771



54, 84.562, 9.662



88, 86.163, 106.866



45, 5.600, 348.282



38, 64.635, 8.430



7, 27.076, 0.048

Previews

White Background



This preview shows how the CIE LCh color 51, 65.626, 284.593 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 51, 65.626, 284.593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

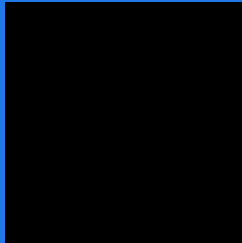
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

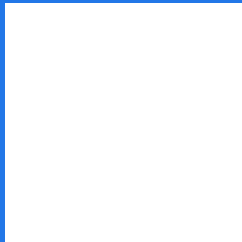
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 65.626, 284.593

Background



This preview shows how black text looks on a background with the CIELCh color 51, 65.626, 284.593.



This preview shows how white text looks on a background with the CIELCh color 51, 65.626, 284.593.

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

51, 65.626, 284.593

Protanopia

51, 65.296, 287.305

Deuteranopia

51, 55.822, 276.909



Tritanopia
51, 30.076, 206.799

Trichromacy



Original Color
51, 65.626, 284.593

Protanomaly
51, 65.416, 286.119

Deuteranomaly
51, 58.858, 279.445

Tritanomaly
51, 34.664, 249.331

Monochromacy



Original Color
51, 65.626, 284.593

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 25.237, 270.391

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 65.626, 284.593 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(34, 119, 231)` looks like.

```
.text, #text, p{  
    color:rgb(34, 119, 231)  
}
```

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(34, 119, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 119, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 65.626, 284.593 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(34, 119, 231) }
```

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

```
.border{ border-color:rgb(34, 119, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 119, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 119, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 119, 231);  
box-shadow:4px 4px 4px 4px rgb(34, 119,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 65.626, 284.593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 119, 231) }
```

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

```
.background{ background-color: rgb(34, 119,  
231) }
```

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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