

Converting Colors

CIELCh(51, 65.392, 287.299)

Have a look what the booklet for
CIELCh(51, 65.392, 287.299)
contains.

CIELCh(51, 65.296, 287.305)	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(51, 65.296, 287.305)

Conversions

Conversions Part 1

Format	Color
Hex	3B75E5
RGB	59, 117, 229
RGB Percent	23%, 46%, 90%
CMY	0.7693, 0.5416, 0.1025
CMYK	0.74, 0.49, 0.00, 0.10
HSL	220°, 76%, 56%
HSV	220°, 74%, 90%
XYZ	22.2635, 19.2686, 76.5751
YIQ	112.4260, -70.5200, 22.5360

Conversions

Conversions Part 2

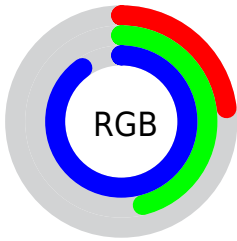
Format	Color
R _Y B	59, 102, 229
Decimal	3896805
CIE Lab	51.00, 19.42, -62.34
CIE LCh	51, 65.296, 287.305
Yxy	19.2686, 0.1885, 0.1631
Android (android.graphics.Color)	4282086885 (0xFF3B75E5)
YUV	112.4260, 57.4710, -46.8546
Hunter-Lab	43.8960, 13.7149, -72.7021

Details

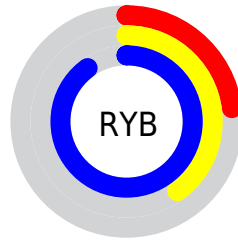
The CIELCh color **51, 65.296, 287.305** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle washed azure. A complement of this color would be **74, 63.684, 80.020**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 48.367, 281.713**, and **33, 64.464, 291.886** is the 20% darker color. If you saturate the color by 10%, you get **46, 74.943, 290.942**, and if you desaturate by 10%, it is **56, 55.899, 283.931**.

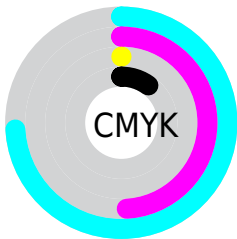
Distribution



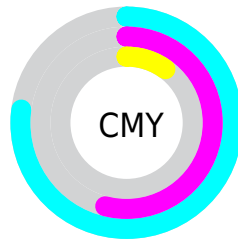
- Red (23%)
- Green (46%)
- Blue (90%)



- Red (23%)
- Yellow (40%)
- Blue (90%)



- Cyan (74%)
- Magenta (49%)
- Yellow (0%)
- Black (10%)





- Cyan (77%)
- Magenta (54%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 65.296, 287.305 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, 65.296, 287.305 by changing the saturation by 10% instead.


 51, 65.296,
287.305


 51, 65.296,
287.305


 100, 65.296,
287.305


 41, 65.296,
287.305


 71, 65.296,
287.305

 31, 65.296,
287.305

 81, 65.296,
287.305

 21, 65.296,
287.305

 91, 65.296,
287.305

 11, 65.296,
287.305

 1, 65.296, 287.305

 0, 65.296, 287.305

■ 51, 65.296,
287.305

■ 51, 65.296,
287.305

■ 46, 74.943,
290.942

■ 56, 55.899,
283.931

■ 42, 84.728,
294.653

■ 61, 46.752,
280.913

■ 40, 90.272,
296.653

■ 67, 37.815,
278.282

■ 72, 29.049,
276.021

■ 77, 20.427,
274.090

■ 83, 11.935,
272.448

■ 89, 3.569, 271.088

■ 94, 4.671, 89.738

■ 99, 12.022,
104.977

Harmonies

Complementary

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



51, 65.296, 287.305



74, 63.684, 80.020

Rectangle

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



51, 65.296, 287.305



51, 65.296, 337.305



51, 65.296, 107.305



51, 65.296, 157.305

Sweetspot

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



51, 65.296, 287.306



87, 20.155, 273.710



82, 58.702, 163.165



44, 13.570, 274.190



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, 65.296, 287.306



49, 86.877, 292.888



39, 99.828, 304.918



45, 4.735, 271.748



31, 73.684, 296.046



6, 25.217, 287.383

Inverse Universe

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



53, 68.254, 6.192



55, 82.566, 12.596



87, 79.826, 111.353



45, 5.309, 353.985



38, 65.891, 17.127



7, 26.721, 6.080

Previews

White Background



This preview shows how the CIE LCh color 51, 65.296, 287.305 looks on a white background.

Color Contrast Check

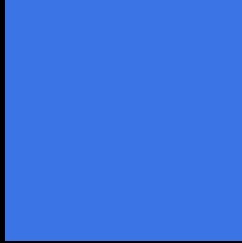
Large Text (above 18pt) WCAG AA ✓ Pass

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, 65.296, 287.305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

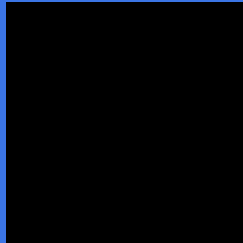
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 65.296, 287.305

Background



This preview shows how black text looks on a background with the CIELCh color 51, 65.296, 287.305.



This preview shows how white text looks on a background with the CIELCh color 51, 65.296, 287.305.

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, 65.296, 287.305

Protanopia

51, 65.296, 287.305

Deuteranopia

51, 55.822, 276.909



Tritanopia
51, 30.021, 207.990

Trichromacy



Original Color
51, 65.296, 287.305

Protanomaly
51, 65.296, 287.305

Deuteranomaly
51, 59.324, 280.344

Tritanomaly
50, 34.608, 251.185

Monochromacy



Original Color
51, 65.296, 287.305

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 24.291, 276.716

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 65.296, 287.305 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(59, 117, 229)` looks like.

```
.text, #text, p{  
    color:rgb(59, 117, 229)  
}
```

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(59, 117, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 117, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 65.296, 287.305 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(59, 117, 229) }
```

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

```
.border{ border-color:rgb(59, 117, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 117, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 117, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 117, 229);  
box-shadow:4px 4px 4px 4px rgb(59, 117,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 65.296, 287.305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 117, 229) }
```

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

```
.background{ background-color: rgb(59, 117,  
229) }
```

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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