

Converting Colors

CIELCh(55, 67.908, 287.231)

Have a look what the booklet for
CIELCh(55, 67.908, 287.231)
contains.

CIELCh(55, 67.833, 287.132)	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(55, 67.833, 287.132)

Conversions

Conversions Part 1

Format	Color
Hex	437FF5
RGB	67, 127, 245
RGB Percent	26%, 50%, 96%
CMY	0.7378, 0.5023, 0.0396
CMYK	0.73, 0.48, 0.00, 0.04
HSL	220°, 90%, 61%
HSV	220°, 73%, 96%
XYZ	26.3479, 22.9298, 89.3398
YIQ	122.5120, -73.6380, 23.9780

Conversions

Conversions Part 2

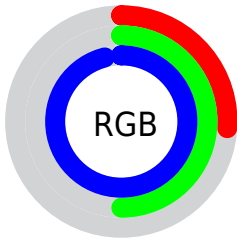
Format	Color
R _Y B	67, 112, 245
Decimal	4423669
CIE Lab	55.00, 19.98, -64.82
CIE LCh	55, 67.833, 287.132
Yxy	22.9298, 0.1901, 0.1654
Android (android.graphics.Color)	4282613749 (0xFF437FF5)
YUV	122.5120, 60.3866, -48.6840
Hunter-Lab	47.8851, 14.4175, -77.0984

Details

The CIELCh color `55, 67.833, 287.132` 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 `79, 66.091, 80.608`, and the grayscale version is `51, 0.007, 296.813`.

A 20% lighter version of the original color is `73, 42.424, 277.380`, and `36, 67.079, 291.002` is the 20% darker color. If you saturate the color by 10%, you get `50, 78.078, 290.740`, and if you desaturate by 10%, it is `60, 57.860, 283.802`.

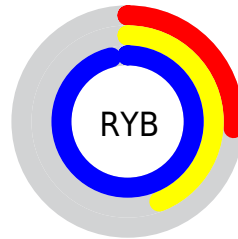
Distribution



Red (26%)

Green (50%)

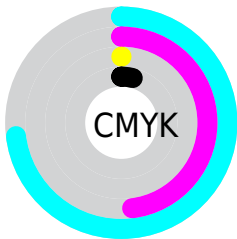
Blue (96%)



Red (26%)

Yellow (44%)

Blue (96%)

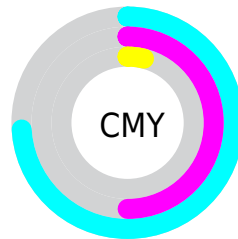


Cyan (73%)

Magenta (48%)

Yellow (0%)

Black (4%)



Cyan (74%)


Magenta (50%)


Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 67.833, 287.132 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 55, 67.833, 287.132 by changing the saturation by 10% instead.


 55, 67.833,
287.132


 55, 67.833,
287.132


 100, 67.833,
287.132


 45, 67.833,
287.132


 75, 67.833,
287.132

 35, 67.833,
287.132

 85, 67.833,
287.132

 25, 67.833,
287.132

 95, 67.833,
287.132

 15, 67.833,
287.132

 5, 67.833, 287.132

 0, 67.833, 287.132

■ 55, 67.833,
287.132

■ 55, 67.833,
287.132

■ 50, 78.078,
290.740

■ 60, 57.860,
283.802

■ 45, 88.485,
294.447

■ 66, 48.153,
280.836

■ 42, 96.030,
297.027

■ 72, 38.671,
278.257

■ 77, 29.373,
276.043

■ 83, 20.232,
274.156

■ 89, 11.234,
272.552

■ 95, 2.375, 271.264

■ 100, 5.112,
109.781

Harmonies

Complementary

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



55, 67.833, 287.132



79, 66.091, 80.608

Rectangle

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



55, 67.833, 287.132



55, 67.833, 337.132



55, 67.833, 107.132



55, 67.833, 157.132

Sweetspot

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



55, 67.833, 287.133



87, 20.255, 274.043



87, 61.023, 163.410



44, 13.638, 274.522



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



55, 67.833, 287.133



50, 85.318, 292.406



43, 103.244, 304.740



48, 5.016, 272.094



32, 76.776, 296.399



7, 29.257, 290.462

Inverse Universe

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



57, 70.899, 6.071



56, 81.735, 11.996



92, 82.992, 111.377



48, 5.586, 354.272



39, 68.132, 17.707



9, 29.622, 8.724

Previews

White Background



This preview shows how the CIE LCh color 55, 67.833, 287.132 looks on a white background.

Color Contrast Check

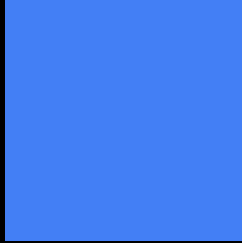
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 55, 67.833, 287.132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

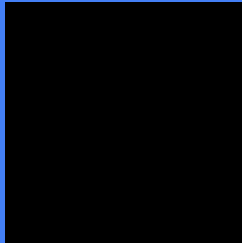
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

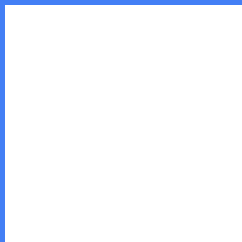
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 55, 67.833, 287.132

Background



This preview shows how black text looks on a background with the CIELCh color 55, 67.833, 287.132.



This preview shows how white text looks on a background with the CIELCh color 55, 67.833, 287.132.

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

55, 67.833, 287.132

Protanopia

55, 67.812, 287.250

Deuteranopia

55, 60.179, 277.602



Tritanopia
55, 31.781, 208.276

Trichromacy



Original Color
55, 67.833, 287.132

Protanomaly
55, 67.812, 287.250

Deuteranomaly
55, 63.117, 280.522

Tritanomaly
54, 36.413, 250.987

Monochromacy



Original Color
55, 67.833, 287.132

Achromatopsia
51, 0.007, 296.813

Achromatomaly
52, 25.683, 277.074

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 67.833, 287.132 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(67, 127, 245)` looks like.

```
.text, #text, p{  
    color:rgb(67, 127, 245)  
}
```

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(67, 127, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 127, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 67.833, 287.132 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(67, 127, 245) }
```

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

```
.border{ border-color:rgb(67, 127, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 127, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 127, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 127, 245);  
box-shadow:4px 4px 4px 4px rgb(67, 127,  
245) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 67.833, 287.132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 127, 245) }
```

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

```
.background{ background-color: rgb(67, 127,  
245) }
```

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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