

Converting Colors

CIELCh(55, 27.454, 270.821)

Have a look what the booklet for
CIELCh(55, 27.454, 270.821)
contains.

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Color

CIELCh(55, 27.437, 270.419)

Conversions

Conversions Part 1

Format	Color
Hex	6486B3
RGB	100, 134, 179
RGB Percent	39%, 53%, 70%
CMY	0.6087, 0.4754, 0.2990
CMYK	0.44, 0.25, 0.00, 0.30
HSL	214°, 34%, 55%
HSV	214°, 44%, 70%
XYZ	21.8370, 22.9298, 45.7974
YIQ	128.9640, -34.7090, 6.7870

Conversions

Conversions Part 2

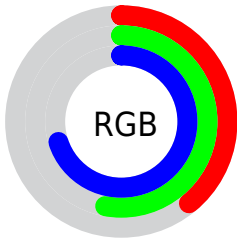
Format	Color
R_{YB}	100, 124, 179
Decimal	6588083
CIE _{Lab}	55.00, 0.20, -27.44
CIE _{LCh}	55, 27.437, 270.419
Yxy	22.9298, 0.2411, 0.2532
Android (android.graphics.Color)	4284778163 (0xFF6486B3)
YUV	128.9640, 24.6677, -25.4014
Hunter-Lab	47.8851, -2.3977, -23.1855

Details

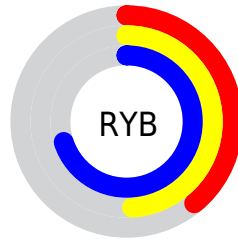
The CIELCh color **55, 27.437, 270.419** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **62, 29.463, 76.767**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 27.487, 270.480**, and **35, 27.190, 270.101** is the 20% darker color. If you saturate the color by 10%, you get **51, 33.644, 273.107**, and if you desaturate by 10%, it is **59, 21.230, 268.124**.

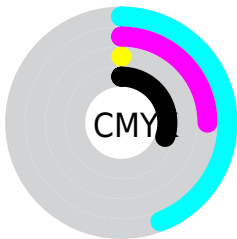
Distribution



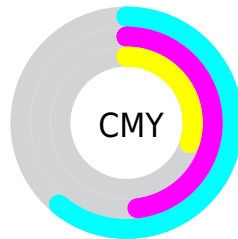
- Red (39%)
- Green (53%)
- Blue (70%)



- Red (39%)
- Yellow (49%)
- Blue (70%)



- Cyan (44%)
- Magenta (25%)
- Yellow (0%)
- Black (30%)





- Cyan (61%)
- Magenta (48%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 27.437, 270.419 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, 27.437, 270.419 by changing the saturation by 10% instead.


 55, 27.437,
270.419


 55, 27.437,
270.419


 100, 27.437,
270.419


 45, 27.437,
270.419


 75, 27.437,
270.419

 35, 27.437,
270.419

 85, 27.437,
270.419

 25, 27.437,
270.419

 95, 27.437,
270.419

 15, 27.437,
270.419

 5, 27.437, 270.419

 0, 27.437, 270.419

■ 55, 27.437,
270.419

■ 55, 27.437,
270.419

■ 51, 33.644,
273.107

■ 59, 21.230,
268.124

■ 47, 39.878,
276.220

■ 63, 15.019,
266.176

■ 44, 46.183,
279.756

■ 67, 8.806, 264.528

■ 40, 52.616,
283.652

■ 71, 2.601, 263.189

■ 75, 3.584, 81.783

■ 37, 59.219,
287.764

■ 79, 9.736, 80.786

■ 35, 63.150,
290.057

■ 83, 15.845, 79.887

■ 87, 21.900, 79.096

■ 91, 26.801, 82.528

Harmonies

Complementary

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



55, 27.437, 270.419



62, 29.463, 76.767

Rectangle

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



55, 27.437, 270.419



55, 27.437, 320.419



55, 27.437, 90.419



55, 27.437, 140.419

Sweetspot

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



55, 27.436, 270.419



85, 9.974, 264.384



67, 33.903, 162.859



45, 7.037, 264.715



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



55, 27.436, 270.419



66, 40.680, 273.023



46, 46.940, 298.094



36, 3.510, 263.828



30, 55.581, 289.513



3, 9.347, 271.140

Inverse Universe

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



52, 36.393, 352.458



62, 53.440, 354.068



71, 41.858, 109.069



35, 4.546, 348.338



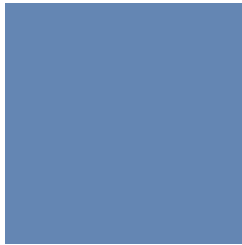
32, 57.674, 7.904



2, 10.228, 353.698

Previews

White Background



This preview shows how the CIELCh color 55, 27.437, 270.419 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, 27.437, 270.419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

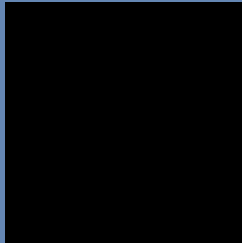
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

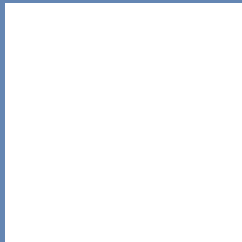
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 55, 27.437, 270.419

Background



This preview shows how black text looks on a background with the CIELCh color 55, 27.437, 270.419.

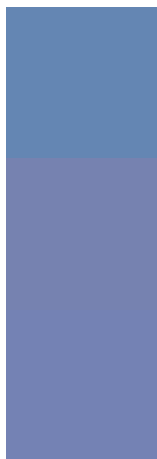


This preview shows how white text looks on a background with the CIELCh color 55, 27.437, 270.419.

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, 27.437, 270.419

Protanopia

55, 26.592, 284.711

Deuteranopia

55, 28.914, 284.519



Tritanopia
55, 16.945, 220.091

Trichromacy



Original Color
55, 27.437, 270.419

Protanomaly
55, 26.960, 279.395

Deuteranomaly
55, 28.665, 279.957

Tritanomaly
55, 18.722, 243.723

Monochromacy



Original Color
55, 27.437, 270.419

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 10.251, 263.608

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 27.437, 270.419 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(100, 134, 179)` looks like.

```
.text, #text, p{  
    color:rgb(100, 134, 179)  
}
```

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(100, 134, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 134, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 27.437, 270.419 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(100, 134, 179) }
```

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

```
.border{ border-color:rgb(100, 134, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 134, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 134, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 134, 179);  
box-shadow:4px 4px 4px 4px rgb(100, 134,  
179) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 27.437, 270.419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 134, 179) }
```

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

```
.background{ background-color: rgb(100,  
134, 179) }
```

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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