

Converting Colors

CIELCh(55, 23.494, 267.104)

Have a look what the booklet for
CIELCh(55, 23.494, 267.104)
contains.

CIELCh(55, 23.591, 267.575)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(55, 23.591, 267.575)

Conversions

Conversions Part 1

Format	Color
Hex	6786AC
RGB	103, 134, 172
RGB Percent	40%, 53%, 67%
CMY	0.5959, 0.4743, 0.3253
CMYK	0.40, 0.22, 0.00, 0.33
HSL	213°, 29%, 54%
HSV	213°, 40%, 67%
XYZ	21.5816, 22.9298, 42.3431
YIQ	129.0630, -30.6740, 5.2460

Conversions

Conversions Part 2

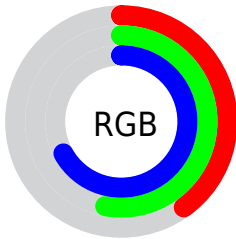
Format	Color
R _Y B	103, 124, 172
Decimal	6784684
CIE Lab	55.00, -1.00, -23.57
CIE LCh	55, 23.591, 267.575
Yxy	22.9298, 0.2485, 0.2640
Android (android.graphics.Color)	4284974764 (0xFF6786AC)
YUV	129.0630, 21.1679, -22.8573
Hunter-Lab	47.8851, -3.3499, -18.9085

Details

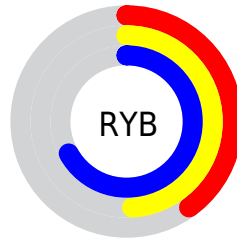
The CIELCh color `55, 23.591, 267.575` is a dark color, and the websafe version is hex `6699CC`. A complement of this color would be `61, 25.478, 75.542`, and the grayscale version is `54, 0.007, 296.813`.

A 20% lighter version of the original color is `75, 23.898, 267.683`, and `35, 23.657, 267.159` is the 20% darker color. If you saturate the color by 10%, you get `51, 29.407, 270.100`, and if you desaturate by 10%, it is `59, 17.742, 265.429`.

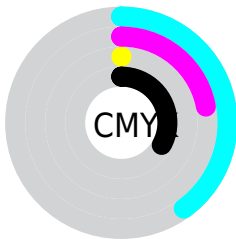
Distribution



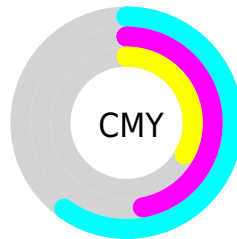
- Red (40%)
- Green (53%)
- Blue (67%)



- Red (40%)
- Yellow (49%)
- Blue (67%)



- Cyan (40%)
- Magenta (22%)
- Yellow (0%)
- Black (33%)





- Cyan (60%)
- Magenta (47%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 23.591, 267.575 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, 23.591, 267.575 by changing the saturation by 10% instead.


 55, 23.591,
267.575


 55, 23.591,
267.575


 100, 23.591,
267.575


 45, 23.591,
267.575


 75, 23.591,
267.575

 35, 23.591,
267.575

 85, 23.591,
267.575

 25, 23.591,
267.575

 95, 23.591,
267.575

 15, 23.591,
267.575

 5, 23.591, 267.575

 0, 23.591, 267.575

■ 55, 23.591,
267.575

■ 55, 23.591,
267.575

■ 51, 29.407,
270.100

■ 59, 17.742,
265.429

■ 48, 35.208,
273.048

■ 63, 11.866,
263.613

■ 44, 41.025,
276.438

■ 66, 5.970, 262.088

■ 41, 46.913,
280.240

■ 70, 0.069, 264.967

■ 74, 5.823, 79.532

■ 38, 52.932,
284.353

■ 78, 11.693, 78.578

■ 35, 59.075,
288.419

■ 82, 17.529, 77.734

■ 86, 23.320, 76.991

■ 89, 28.435, 78.296

Harmonies

Complementary

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



55, 23.591, 267.575



61, 25.478, 75.542

Rectangle

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



55, 23.591, 267.575



55, 23.591, 317.575



55, 23.591, 87.575



55, 23.591, 137.575

Sweetspot

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



55, 23.590, 267.574



84, 8.798, 262.386



65, 30.453, 162.445



44, 5.827, 262.568



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



55, 23.590, 267.574



67, 34.976, 269.763



47, 40.936, 296.938



35, 3.366, 261.980



30, 52.922, 287.924



3, 7.701, 268.391

Inverse Universe

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



52, 32.358, 350.659



63, 47.813, 351.946



69, 36.987, 108.653



34, 4.491, 347.229



32, 56.955, 6.036



2, 8.890, 351.521

Previews

White Background



This preview shows how the CIE LCh color 55, 23.591, 267.575 looks on a white background.

Color Contrast Check

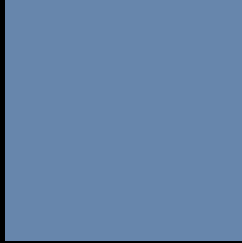
Large Text (above 18pt) WCAG AA ✓ Pass

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 55, 23.591, 267.575 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

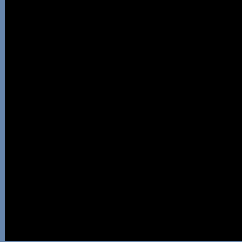
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

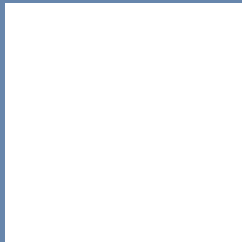
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 55, 23.591, 267.575

Background



This preview shows how black text looks on a background with the CIELCh color 55, 23.591, 267.575.

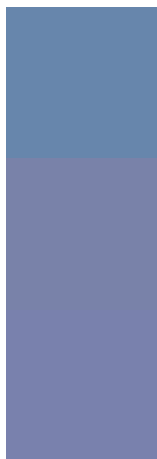


This preview shows how white text looks on a background with the CIELCh color 55, 23.591, 267.575.

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, 23.591, 267.575

Protanopia

55, 22.535, 284.996

Deuteranopia

55, 25.367, 287.082



Tritanopia
55, 15.308, 222.753

Trichromacy



Original Color
55, 23.591, 267.575

Protanomaly
55, 22.927, 278.461

Deuteranomaly
55, 24.577, 279.786

Tritanomaly
55, 16.863, 241.757

Monochromacy



Original Color
55, 23.591, 267.575

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 8.935, 264.030

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 23.591, 267.575 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(103, 134, 172)` looks like.

```
.text, #text, p{  
    color:rgb(103, 134, 172)  
}
```

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(103, 134, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 134, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 23.591, 267.575 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(103, 134, 172) }
```

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

```
.border{ border-color:rgb(103, 134, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 134, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 134, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 134, 172);  
box-shadow:4px 4px 4px 4px rgb(103, 134,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 23.591, 267.575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 134, 172) }
```

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

```
.background{ background-color: rgb(103,  
134, 172) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor