

Converting Colors

CIELCh(55, 31.274, 262.688)

Have a look what the booklet for
CIELCh(55, 31.274, 262.688)
contains.

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Color

CIELCh(55, 31.406, 263.284)

Conversions

Conversions Part 1

Format	Color
Hex	5188B9
RGB	81, 136, 185
RGB Percent	32%, 53%, 73%
CMY	0.6815, 0.4659, 0.2737
CMYK	0.56, 0.26, 0.00, 0.27
HSL	208°, 43%, 52%
HSV	208°, 56%, 73%
XYZ	21.0188, 22.9298, 49.3265
YIQ	125.1410, -48.5090, 3.5790

Conversions

Conversions Part 2

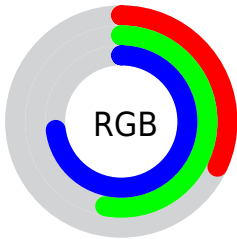
Format	Color
R _Y B	81, 117, 185
Decimal	5343417
CIE Lab	55.00, -3.67, -31.19
CIE LCh	55, 31.406, 263.284
Yxy	22.9298, 0.2253, 0.2458
Android (android.graphics.Color)	4283533497 (0xFF5188B9)
YUV	125.1410, 29.5105, -38.7117
Hunter-Lab	47.8851, -5.4477, -27.5551

Details

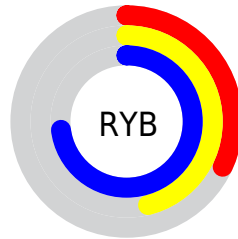
The CIELCh color `55, 31.406, 263.284` is a dark color, and the websafe version is hex `6699CC`. A complement of this color would be `59, 38.148, 65.605`, and the grayscale version is `52, 0.007, 296.813`.

A 20% lighter version of the original color is `75, 31.364, 263.172`, and `35, 31.791, 264.196` is the 20% darker color. If you saturate the color by 10%, you get `52, 36.514, 266.618`, and if you desaturate by 10%, it is `58, 26.147, 260.452`.

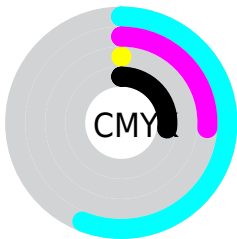
Distribution



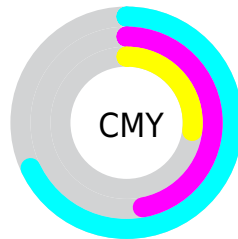
- Red (32%)
- Green (53%)
- Blue (73%)



- Red (32%)
- Yellow (46%)
- Blue (73%)



- Cyan (56%)
- Magenta (26%)
- Yellow (0%)
- Black (27%)




- Cyan (68%)
- Magenta (47%)
- Yellow (27%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 31.406, 263.284 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, 31.406, 263.284 by changing the saturation by 10% instead.


 55, 31.406,
263.284


 55, 31.406,
263.284


 100, 31.406,
263.284


 45, 31.406,
263.284


 75, 31.406,
263.284

 35, 31.406,
263.284

 85, 31.406,
263.284

 25, 31.406,
263.284

 95, 31.406,
263.284

 15, 31.406,
263.284

 5, 31.406, 263.284

 0, 31.406, 263.284

■ 55, 31.406,
263.284

■ 55, 31.406,
263.284

■ 52, 36.514,
266.618

■ 58, 26.147,
260.452

■ 48, 41.520,
270.467

■ 62, 20.725,
258.073

■ 45, 46.507,
274.780

■ 66, 15.148,
256.086

■ 43, 51.583,
279.404

■ 69, 9.438, 254.433

■ 73, 3.623, 253.096

■ 42, 53.603,
281.113

■ 77, 2.269, 71.652

■ 80, 8.210, 70.767

■ 84, 14.179, 69.929

■ 88, 20.154, 69.199

Harmonies

Complementary

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



55, 31.406, 263.284



59, 38.148, 65.605

Rectangle

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



55, 31.406, 263.284



55, 31.406, 313.284



55, 31.406, 83.284



55, 31.406, 133.284

Sweetspot

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



55, 31.405, 263.284



87, 12.240, 254.604



68, 47.171, 155.889



45, 8.168, 254.914



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



55, 31.405, 263.284



65, 45.492, 267.325



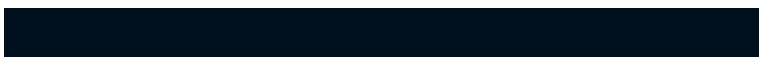
41, 60.628, 297.501



37, 3.305, 253.481



35, 46.524, 280.429



4, 9.943, 264.928

Inverse Universe

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



50, 49.126, 348.126



59, 69.478, 350.215



72, 52.057, 103.384



36, 4.964, 342.843



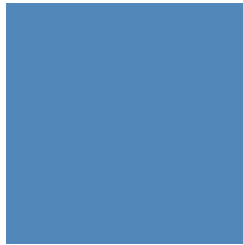
33, 59.022, 358.729



3, 12.415, 349.138

Previews

White Background



This preview shows how the CIELCh color 55, 31.406, 263.284 looks on a white background.

Color Contrast Check

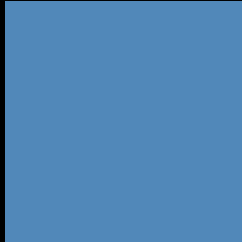
Large Text (above 18pt) WCAG AA ✓ Pass

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, 31.406, 263.284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

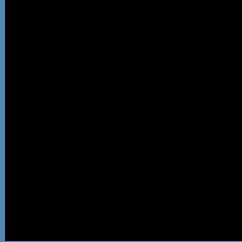
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

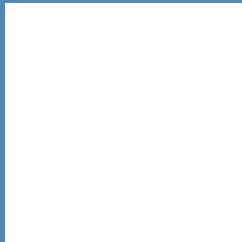
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 55, 31.406, 263.284

Background



This preview shows how black text looks on a background with the CIELCh color 55, 31.406, 263.284.

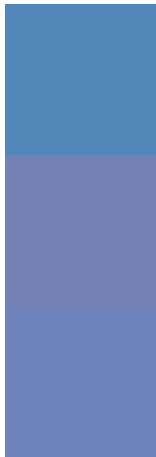


This preview shows how white text looks on a background with the CIELCh color 55, 31.406, 263.284.

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, 31.406, 263.284

Protanopia

55, 29.477, 285.421

Deuteranopia

55, 33.067, 283.175



Tritanopia
55, 23.351, 214.776

Trichromacy



Original Color
55, 31.406, 263.284

Protanomaly
55, 29.697, 275.871

Deuteranomaly
55, 32.038, 276.167

Tritanomaly
55, 24.138, 234.768

Monochromacy



Original Color
55, 31.406, 263.284

Achromatopsia
52, 0.007, 296.813

Achromatomaly
53, 12.437, 256.223

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 31.406, 263.284 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(81, 136, 185)` looks like.

```
.text, #text, p{  
    color:rgb(81, 136, 185)  
}
```

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(81, 136, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 136, 185) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 31.406, 263.284 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(81, 136, 185) }
```

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

```
.border{ border-color:rgb(81, 136, 185) }
```

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

Here you see how a box with a 4 pixel rgb(81, 136, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 136, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 136, 185);  
box-shadow:4px 4px 4px 4px rgb(81, 136,  
185) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 31.406, 263.284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 136, 185) }
```

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

```
.background{ background-color: rgb(81, 136,  
185) }
```

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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