

Converting Colors

CIELCh(55, 20.044, 278.025)

Have a look what the booklet for
CIELCh(55, 20.044, 278.025)
contains.

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Color

CIELCh(55, 20.017, 277.619)

Conversions

Conversions Part 1

Format	Color
Hex	7584A6
RGB	117, 132, 166
RGB Percent	46%, 52%, 65%
CMY	0.5423, 0.4835, 0.3502
CMYK	0.30, 0.21, 0.00, 0.35
HSL	222°, 22%, 55%
HSV	222°, 30%, 65%
XYZ	22.3661, 22.9298, 39.1800
YIQ	131.3910, -19.8540, 7.3940

Conversions

Conversions Part 2

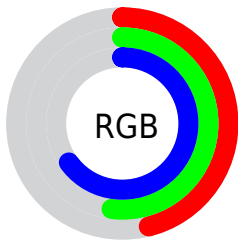
Format	Color
R_{YB}	117, 128, 166
Decimal	7701670
CIE _{Lab}	55.00, 2.65, -19.84
CIE _{LCh}	55, 20.017, 277.619
Yxy	22.9298, 0.2648, 0.2714
Android (android.graphics.Color)	4285891750 (0xFF7584A6)
YUV	131.3910, 17.0622, -12.6209
Hunter-Lab	47.8851, -0.4256, -14.9920

Details


The CIELCh color `55, 20.017, 277.619` is a dark color, and the websafe version is hex `6699CC`. A complement of this color would be `63, 19.956, 89.548`, and the grayscale version is `55, 0.007, 296.813`.

A 20% lighter version of the original color is `75, 19.923, 277.440`, and `35, 19.866, 277.112` is the 20% darker color. If you saturate the color by 10%, you get `51, 27.053, 279.605`, and if you desaturate by 10%, it is `59, 13.121, 275.916`.

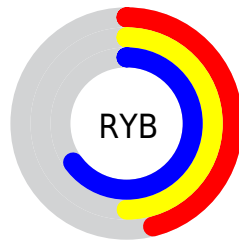
Distribution



 Red (46%)

 Green (52%)

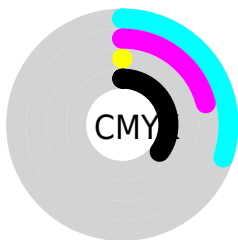
 Blue (65%)





 Red (46%)

 Yellow (50%)

 Blue (65%)

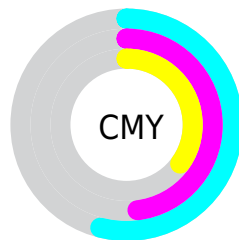



 Cyan (30%)

 Magenta (21%)

 Yellow (0%)

 Black (35%)



 Cyan (54%)


 Magenta (48%)


 Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 20.017, 277.619 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, 20.017, 277.619 by changing the saturation by 10% instead.


 55, 20.017,
277.619


 55, 20.017,
277.619


 100, 20.017,
277.619


 45, 20.017,
277.619


 75, 20.017,
277.619

 35, 20.017,
277.619

 85, 20.017,
277.619

 25, 20.017,
277.619

 95, 20.017,
277.619

 15, 20.017,
277.619

 5, 20.017, 277.619

 0, 20.017, 277.619

■ 55, 20.017,
277.619

■ 55, 20.017,
277.619

■ 51, 27.053,
279.605

■ 59, 13.121,
275.916

■ 46, 34.250,
281.915

■ 64, 6.358, 274.468

■ 68, 0.280, 92.485

■ 42, 41.633,
284.575

■ 73, 6.795, 92.057

■ 38, 49.227,
287.579

■ 77, 13.190, 91.121

■ 34, 57.037,
290.871

■ 81, 19.464, 90.293

■ 86, 25.618, 89.562

■ 30, 64.992,
294.319

■ 90, 31.655, 88.912

■ 27, 72.899,
297.625

■ 93, 36.313, 94.807

■ 27, 73.241,

297.755

Harmonies

Complementary

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



55, 20.017, 277.619



63, 19.956, 89.548

Rectangle

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



55, 20.017, 277.619



55, 20.017, 327.619



55, 20.017, 97.619



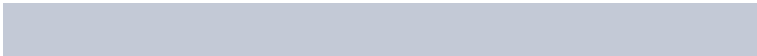
55, 20.017, 147.619

Sweetspot

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



55, 20.016, 277.618



81, 7.372, 274.415



64, 19.954, 171.958



42, 5.119, 274.600



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



55, 20.016, 277.618



67, 29.378, 278.787



52, 28.784, 299.829



32, 3.714, 274.427



23, 65.776, 297.366



1, 5.919, 275.343

Inverse Universe

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



54, 21.539, 358.705



66, 31.651, 359.568



66, 26.957, 115.302



32, 3.930, 356.327



30, 57.180, 19.351



1, 5.919, 357.541

Previews

White Background



This preview shows how the CIELCh color 55, 20.017, 277.619 looks on a white background.

Color Contrast Check

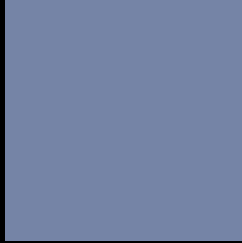
Large Text (above 18pt) WCAG AA ✓ Pass

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, 20.017, 277.619 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

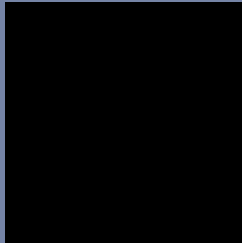
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

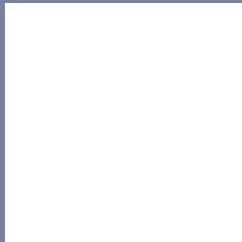
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 55, 20.017, 277.619

Background



This preview shows how black text looks on a background with the CIELCh color 55, 20.017, 277.619.

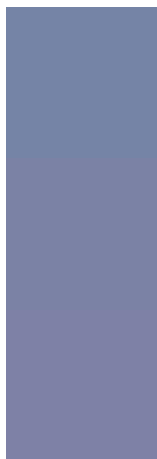


This preview shows how white text looks on a background with the CIELCh color 55, 20.017, 277.619.

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, 20.017, 277.619

Protanopia

55, 20.202, 285.646

Deuteranopia

55, 21.284, 289.886



Tritanopia
55, 10.310, 236.773

Trichromacy



Original Color
55, 20.017, 277.619

Protanomaly
55, 19.734, 282.380

Deuteranomaly
55, 20.769, 285.925

Tritanomaly
55, 12.827, 257.720

Monochromacy



Original Color
55, 20.017, 277.619

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 7.670, 276.903

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 20.017, 277.619 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(117, 132, 166)` looks like.

```
.text, #text, p{  
    color:rgb(117, 132, 166)  
}
```

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(117, 132, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 132, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 20.017, 277.619 is called "border". The border property can be set on classes, ids or directly on the HTML element.

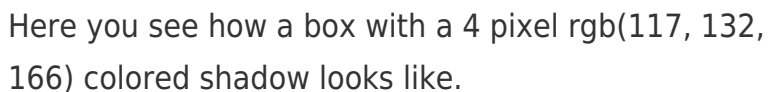
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 132, 166) }
```

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

```
.border{ border-color:rgb(117, 132, 166) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 132, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 132, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 132, 166); box-shadow:4px 4px 4px 4px rgb(117, 132, 166) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 20.017, 277.619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 132, 166) }
```

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

```
.background{ background-color: rgb(117,  
132, 166) }
```

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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