

Converting Colors

CIELCh(56, 14.724, 201.656)

Have a look what the booklet for
CIELCh(56, 14.724, 201.656)
contains.

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Color

CIELCh(56, 14.980, 200.204)

Conversions

Conversions Part 1

Format	Color
Hex	648E8F
RGB	100, 142, 143
RGB Percent	39%, 56%, 56%
CMY	0.6091, 0.4444, 0.4405
CMYK	0.30, 0.01, 0.00, 0.44
HSL	181°, 18%, 48%
HSV	181°, 30%, 56%
XYZ	19.7772, 23.9124, 29.4294
YIQ	129.5560, -25.3530, -8.5930

Conversions

Conversions Part 2

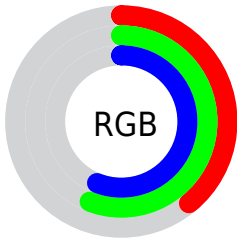
Format	Color
R_{YB}	100, 121, 143
Decimal	6590095
CIE _{Lab}	56.00, -14.06, -5.17
CIE _{LCh}	56, 14.980, 200.204
Y _{xy}	23.9124, 0.2705, 0.3270
Android (android.graphics.Color)	4284780175 (0xFF648E8F)
YUV	129.5560, 6.6279, -25.9206
Hunter-Lab	48.9003, -13.3833, -1.4519

Details

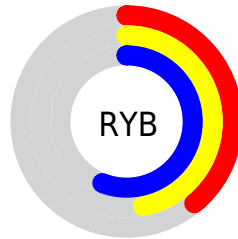
The CIELCh color $56, 14.980, 200.204$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $47, 18.334, 23.541$, and the grayscale version is $54, 0.007, 296.813$.

A 20% lighter version of the original color is $76, 15.145, 200.340$, and $36, 15.228, 199.816$ is the 20% darker color. If you saturate the color by 10%, you get $55, 19.143, 199.909$, and if you desaturate by 10%, it is $57, 10.359, 200.564$.

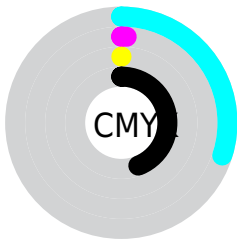
Distribution



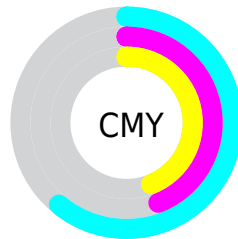
- Red (39%)
- Green (56%)
- Blue (56%)



- Red (39%)
- Yellow (47%)
- Blue (56%)



- Cyan (30%)
- Magenta (1%)
- Yellow (0%)
- Black (44%)





- Cyan (61%)
- Magenta (44%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 14.980, 200.204 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 56, 14.980, 200.204 by changing the saturation by 10% instead.


 56, 14.980,
200.204

 56, 14.980,
200.204


 100, 14.980,
200.204


 46, 14.980,
200.204


 76, 14.980,
200.204

 36, 14.980,
200.204

 86, 14.980,
200.204

 26, 14.980,
200.204

 96, 14.980,
200.204

 16, 14.980,
200.204

 6, 14.980, 200.204

 0, 14.980, 200.204

■ 56, 14.980,
200.204

■ 56, 14.980,
200.204

■ 55, 19.143,
199.909

■ 57, 10.359,
200.564

■ 54, 22.768,
199.696

■ 58, 5.363, 201.009

■ 59, 0.072, 207.404

■ 54, 25.788,
199.569

■ 61, 5.442, 21.790

■ 53, 28.155,
199.536

■ 62, 11.113, 22.346

■ 53, 29.853,
199.602

■ 63, 16.889, 22.895

■ 65, 22.724, 23.449

■ 53, 30.903,
199.770

■ 67, 28.586, 24.007

■ 52, 31.502,
200.007

■ 68, 34.445, 24.565

Harmonies

Complementary

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



56, 14.980, 200.204



47, 18.334, 23.541

Rectangle

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



56, 14.980, 200.204



56, 14.980, 250.204



56, 14.980, 20.204



56, 14.980, 70.204

Sweetspot

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



56, 14.980, 200.200



74, 5.932, 201.058



55, 29.670, 142.847



39, 4.140, 200.990



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



56, 14.980, 200.200



71, 21.651, 199.998



50, 14.696, 261.803



30, 2.997, 201.059



50, 30.291, 199.988



2, 2.072, 201.404

Inverse Universe

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



48, 29.539, 326.670



59, 43.662, 327.013



53, 15.797, 73.505



28, 5.521, 325.534



31, 70.837, 329.152



1, 3.708, 325.062

Previews

White Background



This preview shows how the CIELCh color 56, 14.980, 200.204 looks on a white background.

Color Contrast Check

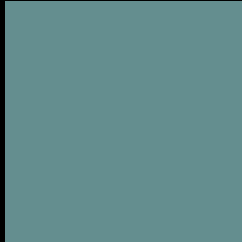
Large Text (above 18pt) WCAG AA ✓ Pass

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 56, 14.980, 200.204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

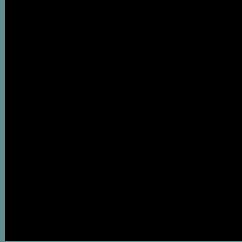
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

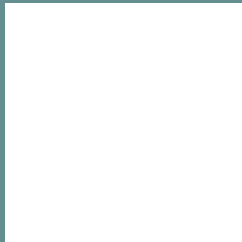
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 56, 14.980, 200.204

Background



This preview shows how black text looks on a background with the CIELCh color 56, 14.980, 200.204.

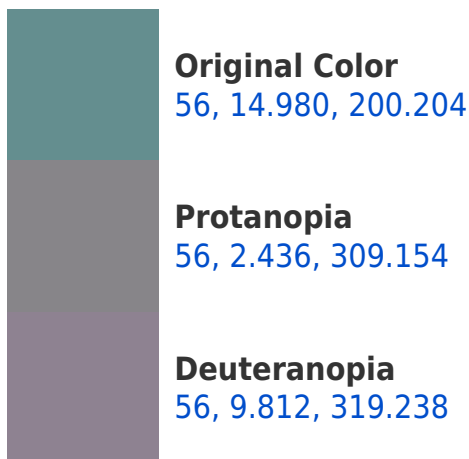


This preview shows how white text looks on a background with the CIELCh color 56, 14.980, 200.204.

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





Tritanopia
56, 14.652, 226.476

Trichromacy



Original Color
56, 14.980, 200.204

Protanomaly
56, 5.546, 217.082

Deuteranomaly
56, 6.257, 265.927

Tritanomaly
56, 14.585, 216.602

Monochromacy



Original Color
56, 14.980, 200.204

Achromatopsia
54, 0.007, 296.813

Achromatomaly
55, 6.120, 198.849

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 14.980, 200.204 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, 142, 143)` looks like.

```
.text, #text, p{  
    color:rgb(100, 142, 143)  
}
```

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, 142, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 142, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 14.980, 200.204 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, 142, 143) }
```

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

```
.border{ border-color:rgb(100, 142, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 142, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 142, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 142, 143);  
box-shadow:4px 4px 4px 4px rgb(100, 142,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 14.980, 200.204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 142, 143) }
```

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

```
.background{ background-color: rgb(100,  
142, 143) }
```

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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