

Converting Colors

CIELCh(56, 33.662, 249.102)

Have a look what the booklet for
CIELCh(56, 33.662, 249.102)
contains.

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Color

CIELCh(56, 33.584, 248.701)

Conversions

Conversions Part 1

Format	Color
Hex	318FBC
RGB	49, 143, 188
RGB Percent	19%, 56%, 74%
CMY	0.8080, 0.4394, 0.2629
CMYK	0.74, 0.24, 0.00, 0.26
HSL	199°, 59%, 46%
HSV	199°, 74%, 74%
XYZ	20.1519, 23.9124, 51.1044
YIQ	120.0240, -70.4690, -5.9330

Conversions

Conversions Part 2

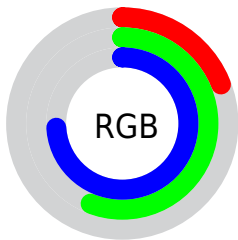
Format	Color
R_{YB}	49, 105, 188
Decimal	3248060
CIE _{Lab}	56.00, -12.20, -31.29
CIE _{LCh}	56, 33.584, 248.701
Yxy	23.9124, 0.2117, 0.2513
Android (android.graphics.Color)	4281438140 (0xFF318FBC)
YUV	120.0240, 33.5122, -62.2880
Hunter-Lab	48.9003, -12.0156, -27.7321

Details

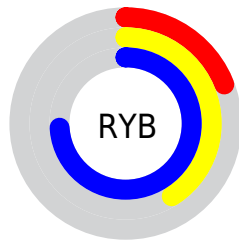
The CIELCh color **56, 33.584, 248.701** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **51, 54.524, 50.618**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 33.355, 248.128**, and **37, 30.684, 256.716** is the 20% darker color. If you saturate the color by 10%, you get **54, 36.423, 252.788**, and if you desaturate by 10%, it is **58, 30.347, 245.277**.

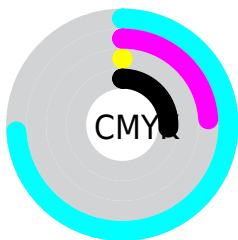
Distribution



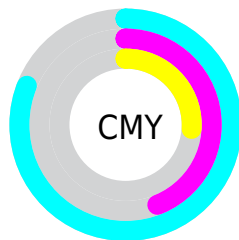
- Red (19%)
- Green (56%)
- Blue (74%)



- Red (19%)
- Yellow (41%)
- Blue (74%)



- Cyan (74%)
- Magenta (24%)
- Yellow (0%)
- Black (26%)





- Cyan (81%)
- Magenta (44%)
- Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 33.584, 248.701 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, 33.584, 248.701 by changing the saturation by 10% instead.


 56, 33.584,
248.701


 56, 33.584,
248.701


 100, 33.584,
248.701


 46, 33.584,
248.701


 76, 33.584,
248.701

 36, 33.584,
248.701

 86, 33.584,
248.701

 26, 33.584,
248.701

 96, 33.584,
248.701

 16, 33.584,
248.701

 6, 33.584, 248.701

 0, 33.584, 248.701

■ 56, 33.584,
248.701

■ 56, 33.584,
248.701

■ 54, 36.423,
252.788

■ 58, 30.347,
245.277

■ 52, 38.987,
257.508

■ 61, 26.657,
242.470

■ 50, 40.527,
260.473

■ 64, 22.511,
240.202

■ 66, 17.940,
238.384

■ 69, 12.998,
236.937

■ 72, 7.745, 235.799

■ 75, 2.240, 235.020

■ 78, 3.461, 53.931

Harmonies

Complementary

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



56, 33.584, 248.701



51, 54.524, 50.618

Rectangle

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



56, 33.584, 248.701



56, 33.584, 298.701



56, 33.584, 68.701



56, 33.584, 118.701

Sweetspot

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



56, 33.583, 248.701



88, 14.851, 236.736



68, 68.200, 146.574



46, 9.909, 237.082



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



56, 33.583, 248.701



67, 46.474, 255.791



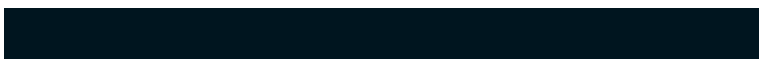
36, 69.490, 295.914



38, 3.184, 235.375



43, 35.401, 259.734



6, 9.819, 248.837

Inverse Universe

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



45, 66.165, 342.064



55, 87.283, 344.751



67, 59.012, 92.671



37, 5.632, 335.872



35, 63.785, 346.377



3, 15.764, 341.173

Previews

White Background



This preview shows how the CIE LCh color 56, 33.584, 248.701 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 56, 33.584, 248.701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

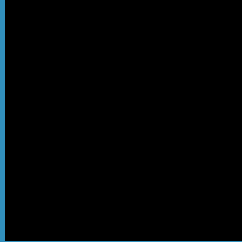
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 33.584, 248.701

Background



This preview shows how black text looks on a background with the CIELCh color 56, 33.584, 248.701.

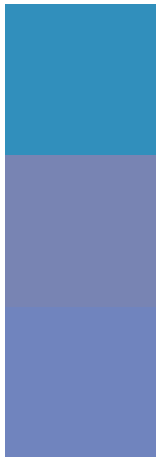


This preview shows how white text looks on a background with the CIELCh color 56, 33.584, 248.701.

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

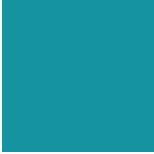
56, 33.584, 248.701

Protanopia

56, 27.084, 284.920

Deuteranopia

56, 33.537, 283.369



Tritanopia
56, 31.219, 209.630

Trichromacy



Original Color
56, 33.584, 248.701

Protanomaly
55, 28.666, 266.800

Deuteranomaly
55, 32.575, 268.880

Tritanomaly
56, 30.637, 224.142

Monochromacy



Original Color
56, 33.584, 248.701

Achromatopsia
50, 0.007, 296.813

Achromatomaly
52, 15.061, 239.811

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 33.584, 248.701 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(49, 143, 188)` looks like.

```
.text, #text, p{  
    color:rgb(49, 143, 188)  
}
```

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(49, 143, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 143, 188) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 33.584, 248.701 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(49, 143, 188) }
```

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

```
.border{ border-color:rgb(49, 143, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 143, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 143, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 143, 188);  
box-shadow:4px 4px 4px 4px rgb(49, 143,  
188) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 33.584, 248.701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 143, 188) }
```

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

```
.background{ background-color: rgb(49, 143,  
188) }
```

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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