

Converting Colors

CIELCh(58, 13.376, 247.505)

Have a look what the booklet for
CIELCh(58, 13.376, 247.505)
contains.

CIELCh(58, 13.456, 248.651)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(58, 13.456, 248.651)

Conversions

Conversions Part 1

Format	Color
Hex	758FA1
RGB	117, 143, 161
RGB Percent	46%, 56%, 63%
CMY	0.5415, 0.4396, 0.3690
CMYK	0.27, 0.11, 0.00, 0.37
HSL	205°, 19%, 54%
HSV	205°, 27%, 63%
XYZ	23.5556, 25.9610, 37.4421
YIQ	137.2780, -21.2740, 0.0860

Conversions

Conversions Part 2

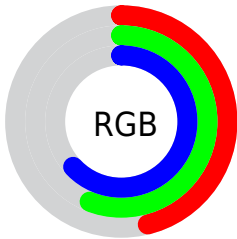
Format	Color
R_{YB}	117, 133, 161
Decimal	7704481
CIE Lab	58.00, -4.90, -12.53
CIE LCh	58, 13.456, 248.651
Yxy	25.9610, 0.2709, 0.2985
Android (android.graphics.Color)	4285894561 (0xFF758FA1)
YUV	137.2780, 11.6949, -17.7838
Hunter-Lab	50.9519, -6.6433, -7.9030

Details

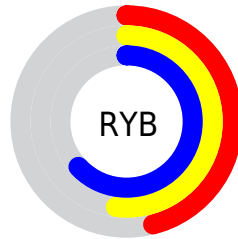
The CIELCh color `58, 13.456, 248.651` is a dark color, and the websafe version is hex `669999`. A complement of this color would be `58, 15.103, 62.196`, and the grayscale version is `57, 0.007, 296.813`.

A 20% lighter version of the original color is `78, 13.468, 248.250`, and `38, 13.285, 246.752` is the 20% darker color. If you saturate the color by 10%, you get `55, 18.053, 250.519`, and if you desaturate by 10%, it is `61, 8.665, 247.111`.

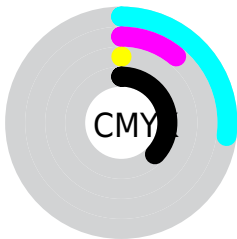
Distribution



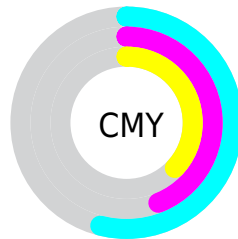
- Red (46%)
- Green (56%)
- Blue (63%)



- Red (46%)
- Yellow (52%)
- Blue (63%)



- Cyan (27%)
- Magenta (11%)
- Yellow (0%)
- Black (37%)





- Cyan (54%)
- Magenta (44%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 13.456, 248.651 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 58, 13.456, 248.651 by changing the saturation by 10% instead.


 58, 13.456,
248.651


 58, 13.456,
248.651


 100, 13.456,
248.651


 48, 13.456,
248.651


 78, 13.456,
248.651

 38, 13.456,
248.651

 88, 13.456,
248.651

 28, 13.456,
248.651

 98, 13.456,
248.651

 18, 13.456,
248.651

 8, 13.456, 248.651

 0, 13.456, 248.651

■ 58, 13.456,
248.651

■ 58, 13.456,
248.651

■ 55, 18.053,
250.519

■ 61, 8.665, 247.111

■ 64, 3.718, 245.885

■ 52, 22.426,
252.792

■ 67, 1.352, 64.442

■ 50, 26.554,
255.536

■ 70, 6.512, 63.768

■ 47, 30.438,
258.814

■ 73, 11.735, 63.042

■ 76, 16.997, 62.415

■ 44, 34.114,
262.660

■ 79, 22.280, 61.875

■ 42, 37.655,
267.049

■ 83, 27.568, 61.408

■ 85, 30.777, 64.299

■ 40, 41.188,
271.802

■ 39, 42.164,

273.006

Harmonies

Complementary

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



58, 13.456, 248.651



58, 15.103, 62.196

Rectangle

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



58, 13.456, 248.651



58, 13.456, 298.651



58, 13.456, 68.651



58, 13.456, 118.651

Sweetspot

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



58, 13.455, 248.647



81, 5.008, 245.970



62, 22.424, 156.355



42, 3.545, 246.129



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



58, 13.455, 248.647



72, 19.884, 249.779



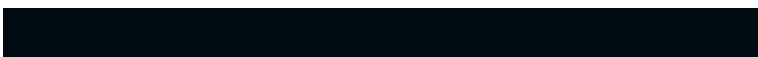
52, 23.030, 289.238



33, 2.890, 246.094



35, 38.865, 272.535



2, 4.679, 251.475

Inverse Universe

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



54, 22.725, 341.249



66, 33.955, 341.842



64, 21.913, 102.962



32, 4.700, 339.708



31, 57.453, 353.014



1, 6.971, 341.778

Previews

White Background



This preview shows how the CIELCh color 58, 13.456, 248.651 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 58, 13.456, 248.651 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

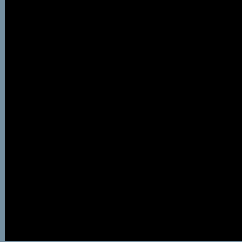
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

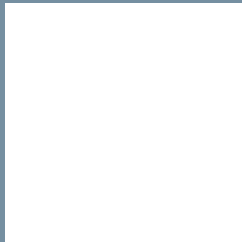
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 58, 13.456, 248.651

Background



This preview shows how black text looks on a background with the CIELCh color 58, 13.456, 248.651.



This preview shows how white text looks on a background with the CIELCh color 58, 13.456, 248.651.

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


58, 13.456, 248.651

Protanopia

58, 11.393, 287.798

Deuteranopia

58, 14.962, 298.890



Tritanopia
58, 11.606, 231.412

Trichromacy



Original Color
58, 13.456, 248.651

Protanomaly
58, 11.411, 271.017

Deuteranomaly
58, 13.260, 280.723

Tritanomaly
58, 12.166, 236.277

Monochromacy



Original Color
58, 13.456, 248.651

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 5.180, 249.722

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 13.456, 248.651 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, 143, 161)` looks like.

```
.text, #text, p{  
    color:rgb(117, 143, 161)  
}
```

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, 143, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 143, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 13.456, 248.651 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, 143, 161) }
```

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

```
.border{ border-color:rgb(117, 143, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 143, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 143, 161); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 143, 161); box-shadow:4px 4px 4px 4px rgb(117, 143, 161) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 13.456, 248.651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 143, 161) }
```

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

```
.background{ background-color: rgb(117,  
143, 161) }
```

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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