

Converting Colors

CIELCh(54, 12.148, 198.220)

Have a look what the booklet for
CIELCh(54, 12.148, 198.220)
contains.

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Color

CIELCh(54, 12.148, 198.220)

Conversions

Conversions Part 1

Format	Color
Hex	668787
RGB	102, 135, 135
RGB Percent	40%, 53%, 53%
CMY	0.5992, 0.4698, 0.4698
CMYK	0.24, 0.00, 0.00, 0.47
HSL	180°, 14%, 47%
HSV	180°, 24%, 53%
XYZ	18.5804, 21.9746, 26.2574
YIQ	125.1330, -19.6680, -6.9960

Conversions

Conversions Part 2

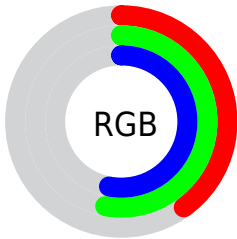
Format	Color
R_{YB}	102, 119, 135
Decimal	6719367
CIE _{Lab}	54.00, -11.54, -3.80
CIE _{LCh}	54, 12.148, 198.220
Y _{xy}	21.9746, 0.2781, 0.3289
Android (android.graphics.Color)	4284909447 (0xFF668787)
YUV	125.1330, 4.8644, -20.2876
Hunter-Lab	46.8770, -11.2838, -0.3964

Details

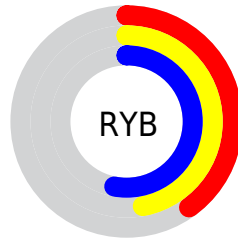
The CIELCh color `54, 12.148, 198.220` is a dark color, and the websafe version is hex `669999`. A complement of this color would be `47, 14.216, 21.181`, and the grayscale version is `53, 0.007, 296.813`.

A 20% lighter version of the original color is `74, 11.997, 198.501`, and `34, 11.932, 197.781` is the 20% darker color. If you saturate the color by 10%, you get `53, 16.507, 197.780`, and if you desaturate by 10%, it is `55, 7.393, 198.709`.

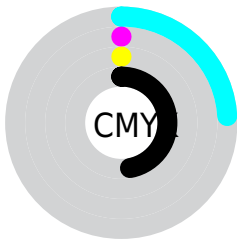
Distribution



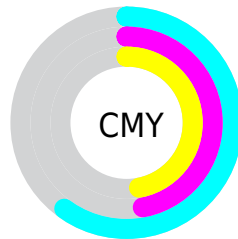
- Red (40%)
- Green (53%)
- Blue (53%)



- Red (40%)
- Yellow (47%)
- Blue (53%)



- Cyan (24%)
- Magenta (0%)
- Yellow (0%)
- Black (47%)





- Cyan (60%)
- Magenta (47%)
- Yellow (47%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 12.148, 198.220 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 54, 12.148, 198.220 by changing the saturation by 10% instead.


 54, 12.148,
198.220


 54, 12.148,
198.220


 100, 12.148,
198.220


 44, 12.148,
198.220


 74, 12.148,
198.220

 34, 12.148,
198.220

 84, 12.148,
198.220

 24, 12.148,
198.220

 94, 12.148,
198.220

 14, 12.148,
198.220

 4, 12.148, 198.220

 0, 12.148, 198.220

■ 54, 12.148,
198.220

■ 54, 12.148,
198.220

■ 53, 16.507,
197.780

■ 55, 7.393, 198.709

■ 53, 20.390,
197.402

■ 56, 2.320, 199.342

■ 57, 2.996, 19.569

■ 52, 23.726,
197.083

■ 58, 8.487, 20.227

■ 52, 26.458,
196.825

■ 60, 14.097, 20.832

■ 61, 19.776, 21.439

■ 51, 28.555,
196.629

■ 62, 25.488, 22.049

■ 51, 30.016,
196.493

■ 64, 31.202, 22.658

■ 66, 36.895, 23.263

■ 51, 30.891,
196.412

■ 51, 31.278,

Harmonies

Complementary

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



54, 12.148, 198.220



47, 14.216, 21.181

Rectangle

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



54, 12.148, 198.220



54, 12.148, 248.220



54, 12.148, 18.220



54, 12.148, 68.220

Sweetspot

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



54, 12.148, 198.215



71, 4.534, 199.131



53, 23.155, 142.479



37, 2.966, 199.100



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



54, 12.148, 198.215



68, 17.569, 197.981



49, 11.077, 257.049



29, 2.978, 199.003



50, 30.841, 196.376



1, 1.414, 199.416

Inverse Universe

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



47, 14.216, 21.181



57, 21.345, 21.740



51, 11.881, 70.723



27, 3.148, 19.879



27, 63.127, 38.656



0, 1.414, 19.399

Previews

White Background



This preview shows how the CIELCh color 54, 12.148, 198.220 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 54, 12.148, 198.220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

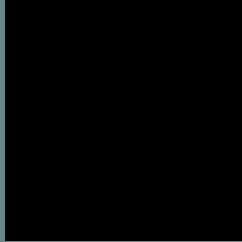
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 54, 12.148, 198.220

Background



This preview shows how black text looks on a background with the CIELCh color 54, 12.148, 198.220.



This preview shows how white text looks on a background with the CIELCh color 54, 12.148, 198.220.

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
54, 12.148, 198.220

Protanopia
54, 1.916, 314.694

Deuteranopia
54, 8.409, 324.882



Tritanopia
54, 12.022, 227.320

Trichromacy



Original Color
54, 12.148, 198.220

Protanomaly
54, 4.366, 214.424

Deuteranomaly
54, 4.439, 265.054

Tritanomaly
54, 11.778, 218.567

Monochromacy



Original Color
54, 12.148, 198.220

Achromatopsia
52, 0.007, 296.813

Achromatomaly
53, 4.652, 199.003

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 12.148, 198.220 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(102, 135, 135)` looks like.

```
.text, #text, p{  
    color:rgb(102, 135, 135)  
}
```

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(102, 135, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 135, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 12.148, 198.220 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(102, 135, 135) }
```

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

```
.border{ border-color:rgb(102, 135, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 135, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(102, 135, 135); -webkit-box-shadow:4px 4px 4px 4px rgb(102, 135, 135); box-shadow:4px 4px 4px 4px rgb(102, 135, 135) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 12.148, 198.220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 135, 135) }
```

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

```
.background{ background-color: rgb(102,  
135, 135) }
```

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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