

Converting Colors

CIELCh(54, 12.797, 206.808)

Have a look what the booklet for
CIELCh(54, 12.797, 206.808)
contains.

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Color

CIELCh(54, 12.775, 208.687)

Conversions

Conversions Part 1

Format	Color
Hex	64878B
RGB	100, 135, 139
RGB Percent	39%, 53%, 55%
CMY	0.6071, 0.4698, 0.4541
CMYK	0.28, 0.03, 0.00, 0.45
HSL	186°, 16%, 47%
HSV	186°, 28%, 55%
XYZ	18.6442, 21.9746, 27.7622
YIQ	124.9910, -22.1440, -6.1760

Conversions

Conversions Part 2

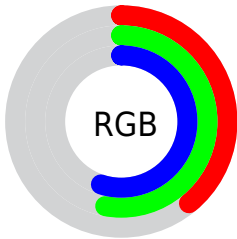
Format	Color
R_{YB}	100, 118, 139
Decimal	6588299
CIE _{Lab}	54.00, -11.21, -6.13
CIE _{LCh}	54, 12.775, 208.687
Y _{xy}	21.9746, 0.2727, 0.3214
Android (android.graphics.Color)	4284778379 (0xFF64878B)
YUV	124.9910, 6.9064, -21.9171
Hunter-Lab	46.8770, -11.0407, -2.2996

Details

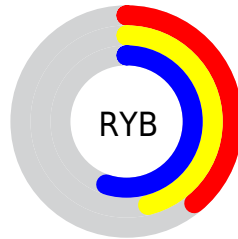
The CIELCh color $54, 12.775, 208.687$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $47, 15.458, 29.875$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $74, 12.659, 208.394$, and $34, 12.770, 209.200$ is the 20% darker color. If you saturate the color by 10%, you get $53, 16.656, 208.808$, and if you desaturate by 10%, it is $55, 8.493, 208.689$.

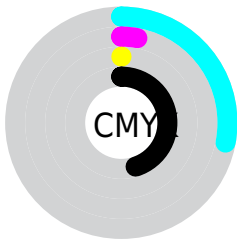
Distribution



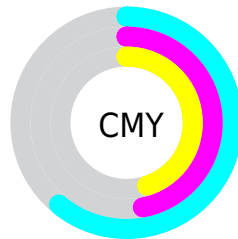
- Red (39%)
- Green (53%)
- Blue (55%)



- Red (39%)
- Yellow (46%)
- Blue (55%)



- Cyan (28%)
- Magenta (3%)
- Yellow (0%)
- Black (45%)



- Cyan (61%)
- Magenta (47%)
- Yellow (45%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 12.775, 208.687 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, 12.775, 208.687 by changing the saturation by 10% instead.


 54, 12.775,
208.687


 54, 12.775,
208.687


 100, 12.775,
208.687

 44, 12.775,
208.687


 74, 12.775,
208.687

 34, 12.775,
208.687

 84, 12.775,
208.687

 24, 12.775,
208.687

 94, 12.775,
208.687

 14, 12.775,
208.687

 4, 12.775, 208.687

 0, 12.775, 208.687

■ 54, 12.775,
208.687

■ 54, 12.775,
208.687

■ 53, 16.656,
208.808

■ 55, 8.493, 208.689

■ 52, 20.060,
209.090

■ 57, 3.885, 208.838

■ 51, 22.919,
209.557

■ 58, 0.981, 28.462

■ 50, 25.180,
210.244

■ 60, 6.042, 29.055

■ 49, 26.814,
211.188

■ 62, 11.246, 29.364

■ 48, 27.829,
212.426

■ 63, 16.550, 29.686

■ 48, 28.352,
213.933

■ 65, 21.917, 30.026

■ 48, 28.446,

■ 67, 27.318, 30.381

■ 69, 32.733, 30.743

Harmonies

Complementary

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



54, 12.775, 208.687



47, 15.458, 29.875

Rectangle

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



54, 12.775, 208.687



54, 12.775, 258.687



54, 12.775, 28.687



54, 12.775, 78.687

Sweetspot

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



54, 12.775, 208.682



72, 4.801, 208.834



54, 25.538, 145.359



38, 3.427, 208.801



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



54, 12.775, 208.682



68, 18.718, 208.751



48, 14.687, 269.627



28, 2.702, 208.810



45, 27.471, 214.143



1, 1.284, 208.875

Inverse Universe

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



48, 25.526, 328.927



58, 38.274, 329.312



53, 15.142, 81.878



27, 5.071, 327.834



30, 65.764, 332.649



0, 2.340, 327.346

Previews

White Background



This preview shows how the CIELCh color 54, 12.775, 208.687 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 54, 12.775, 208.687 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

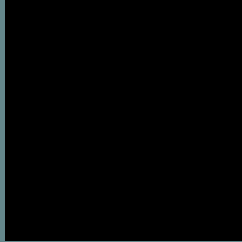
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

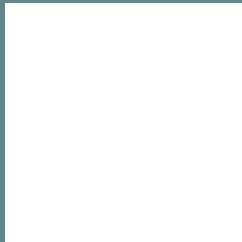
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 54, 12.775, 208.687

Background



This preview shows how black text looks on a background with the CIELCh color 54, 12.775, 208.687.



This preview shows how white text looks on a background with the CIELCh color 54, 12.775, 208.687.

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, 12.775, 208.687

Protanopia

54, 4.067, 296.166

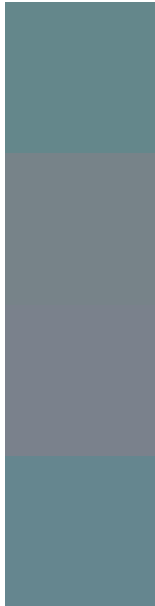
Deuteranopia

54, 10.063, 313.759



Tritanopia
54, 12.818, 228.299

Trichromacy



Original Color
54, 12.775, 208.687

Protanomaly
54, 5.651, 236.933

Deuteranomaly
54, 6.821, 268.154

Tritanomaly
54, 12.702, 222.654

Monochromacy



Original Color
54, 12.775, 208.687

Achromatopsia
52, 0.007, 296.813

Achromatomaly
53, 5.035, 205.583

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 12.775, 208.687 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, 135, 139)` looks like.

```
.text, #text, p{  
    color:rgb(100, 135, 139)  
}
```

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, 135, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 135, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 12.775, 208.687 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, 135, 139) }
```

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

```
.border{ border-color:rgb(100, 135, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 135, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 135, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 135, 139);  
box-shadow:4px 4px 4px 4px rgb(100, 135,  
139) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 12.775, 208.687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 135, 139) }
```

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

```
.background{ background-color: rgb(100,  
135, 139) }
```

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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