

Converting Colors

CIELCh(53, 12.541, 229.106)

Have a look what the booklet for
CIELCh(53, 12.541, 229.106)
contains.

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Color

CIELCh(53, 12.562, 229.120)

Conversions

Conversions Part 1

Format	Color
Hex	64838E
RGB	100, 131, 142
RGB Percent	39%, 51%, 56%
CMY	0.6062, 0.4846, 0.4414
CMYK	0.29, 0.08, 0.00, 0.44
HSL	196°, 17%, 48%
HSV	196°, 29%, 56%
XYZ	18.3903, 21.0462, 28.8542
YIQ	122.9850, -22.0070, -3.1510

Conversions

Conversions Part 2

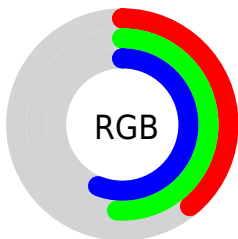
Format	Color
R _Y B	100, 118, 142
Decimal	6587278
CIE Lab	53.00, -8.22, -9.50
CIE LCh	53, 12.562, 229.120
Yxy	21.0462, 0.2693, 0.3082
Android (android.graphics.Color)	4284777358 (0xFF64838E)
YUV	122.9850, 9.3744, -20.1578
Hunter-Lab	45.8761, -8.7282, -5.1777

Details

The CIELCh color $53, 12.562, 229.120$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $50, 15.093, 45.683$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 12.626, 229.921$, and $33, 12.677, 228.144$ is the 20% darker color. If you saturate the color by 10%, you get $51, 16.256, 230.334$, and if you desaturate by 10%, it is $55, 8.546, 228.179$.

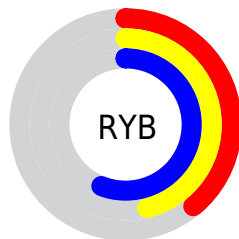
Distribution



Red (39%)

Green (51%)

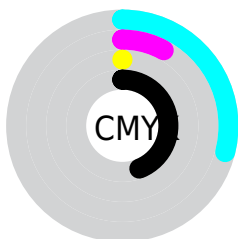
Blue (56%)



Red (39%)

Yellow (46%)

Blue (56%)

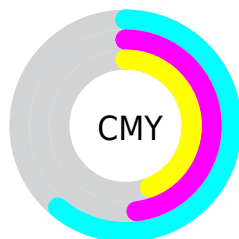


Cyan (29%)

Magenta (8%)

Yellow (0%)

Black (44%)



Cyan (61%)


Magenta (48%)


Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 12.562, 229.120 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 53, 12.562, 229.120 by changing the saturation by 10% instead.


 53, 12.562,
229.120


 53, 12.562,
229.120


 100, 12.562,
229.120


 43, 12.562,
229.120


 73, 12.562,
229.120

 33, 12.562,
229.120

 83, 12.562,
229.120

 23, 12.562,
229.120

 93, 12.562,
229.120

 13, 12.562,
229.120

 3, 12.562, 229.120

 0, 12.562, 229.120

■ 53, 12.562,
229.120

■ 53, 12.562,
229.120

■ 51, 16.256,
230.334

■ 55, 8.546, 228.179

■ 49, 19.573,
231.900

■ 57, 4.265, 227.495

■ 59, 0.228, 45.057

■ 47, 22.464,
233.890

■ 62, 4.885, 46.334

■ 46, 24.899,
236.387

■ 64, 9.666, 46.059

■ 66, 14.538, 45.841

■ 44, 26.879,
239.475

■ 68, 19.472, 45.681

■ 43, 28.453,
243.212

■ 71, 24.447, 45.569

■ 73, 29.443, 45.496

■ 41, 29.806,
247.390

■ 41, 29.877,

247.594

Harmonies

Complementary

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



53, 12.562, 229.120



50, 15.093, 45.683

Rectangle

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



53, 12.562, 229.120



53, 12.562, 279.120



53, 12.562, 49.120



53, 12.562, 99.120

Sweetspot

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



53, 12.562, 229.115



73, 5.032, 227.479



55, 24.551, 150.122



38, 3.514, 227.552



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



53, 12.562, 229.115



67, 18.165, 229.841



47, 18.895, 281.382



29, 2.543, 227.478



39, 28.718, 247.342



1, 1.752, 226.882

Inverse Universe

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



48, 24.520, 334.757



59, 36.112, 335.219



55, 18.520, 93.747



28, 4.670, 333.342



30, 59.333, 341.718



1, 3.133, 332.788

Previews

White Background



This preview shows how the CIELCh color 53, 12.562, 229.120 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 53, 12.562, 229.120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

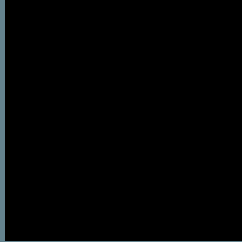
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

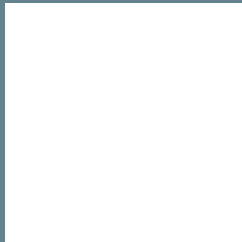
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 53, 12.562, 229.120

Background



This preview shows how black text looks on a background with the CIELCh color 53, 12.562, 229.120.

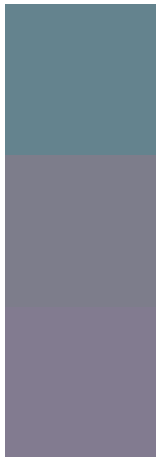


This preview shows how white text looks on a background with the CIELCh color 53, 12.562, 229.120.

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
53, 12.562, 229.120

Protanopia
53, 8.114, 291.190

Deuteranopia
53, 12.507, 303.864



Tritanopia
53, 12.562, 229.120

Trichromacy



Original Color
53, 12.562, 229.120

Protanomaly
53, 8.477, 262.168

Deuteranomaly
53, 10.122, 276.522

Tritanomaly
53, 12.562, 229.120

Monochromacy



Original Color
53, 12.562, 229.120

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 4.782, 228.210

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 12.562, 229.120 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, 131, 142)` looks like.

```
.text, #text, p{  
    color:rgb(100, 131, 142)  
}
```

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, 131, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 131, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 12.562, 229.120 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, 131, 142) }
```

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

```
.border{ border-color:rgb(100, 131, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 131, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 131, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 131, 142);  
box-shadow:4px 4px 4px 4px rgb(100, 131,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 12.562, 229.120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 131, 142) }
```

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

```
.background{ background-color: rgb(100,  
131, 142) }
```

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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