

Converting Colors

CIELCh(53, 14.140, 163.491)

Have a look what the booklet for
CIELCh(53, 14.140, 163.491)
contains.

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Color

CIELCh(53, 14.320, 163.528)

Conversions

Conversions Part 1

Format	Color
Hex	678577
RGB	103, 133, 119
RGB Percent	40%, 52%, 47%
CMY	0.5955, 0.4778, 0.5327
CMYK	0.23, 0.00, 0.11, 0.48
HSL	152°, 13%, 46%
HSV	152°, 23%, 52%
XYZ	17.3589, 21.0462, 20.6485
YIQ	122.4340, -13.3860, -10.7140

Conversions

Conversions Part 2

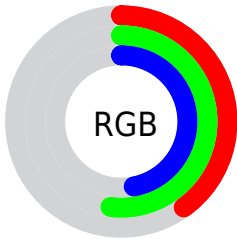
Format	Color
R_{YB}	103, 123, 133
Decimal	6784375
CIE _{Lab}	53.00, -13.73, 4.06
CIE _{LCh}	53, 14.320, 163.528
Y _{xy}	21.0462, 0.2940, 0.3564
Android (android.graphics.Color)	4284974455 (0xFF678577)
YUV	122.4340, -1.6930, -17.0436
Hunter-Lab	45.8761, -12.7413, 5.4273

Details

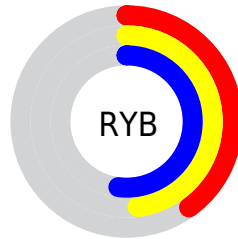
The CIELCh color $53, 14.320, 163.528$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $47, 14.783, 347.467$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 14.122, 163.108$, and $33, 14.000, 164.709$ is the 20% darker color. If you saturate the color by 10%, you get $52, 20.522, 162.489$, and if you desaturate by 10%, it is $54, 7.991, 164.473$.

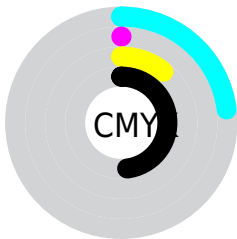
Distribution



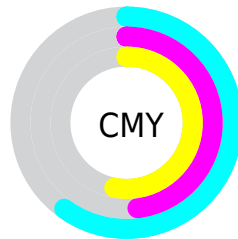
- Red (40%)
- Green (52%)
- Blue (47%)



- Red (40%)
- Yellow (48%)
- Blue (52%)



- Cyan (23%)
- Magenta (0%)
- Yellow (11%)
- Black (48%)





- Cyan (60%)
- Magenta (48%)
- Yellow (53%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 14.320, 163.528 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, 14.320, 163.528 by changing the saturation by 10% instead.

 53, 14.320,
163.528


 53, 14.320,
163.528


 100, 14.320,
163.528


 43, 14.320,
163.528


 73, 14.320,
163.528

 33, 14.320,
163.528

 83, 14.320,
163.528

 23, 14.320,
163.528

 93, 14.320,
163.528

 13, 14.320,
163.528

 3, 14.320, 163.528

 0, 14.320, 163.528

■ 53, 14.320,
163.528

■ 53, 14.320,
163.528

■ 52, 20.522,
162.489

■ 54, 7.991, 164.473

■ 51, 26.501,
161.334

■ 55, 1.612, 165.471

■ 57, 4.749, 345.988

■ 50, 32.157,
160.040

■ 58, 11.042,
346.739

■ 50, 37.393,
158.582

■ 59, 17.227,
347.413

■ 49, 42.122,
156.941

■ 61, 23.278,
348.037

■ 49, 46.290,
155.102


■ 63, 29.179,
348.622

■ 49, 49.882,
153.066

■ 64, 34.919,
349.173

■ 49, 52.357,

151.561

 66, 40.494,
349.694

Harmonies

Complementary

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



53, 14.320, 163.528



47, 14.783, 347.467

Rectangle

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



53, 14.320, 163.528



53, 14.320, 213.528



53, 14.320, 343.528



53, 14.320, 33.528

Sweetspot

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



53, 14.321, 163.526



70, 5.536, 164.966



54, 18.355, 128.667



36, 3.582, 164.924



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



53, 14.321, 163.526



67, 21.221, 163.013



53, 10.953, 199.853



27, 3.583, 164.784



48, 51.412, 151.619



1, 0.860, 165.490

Inverse Universe

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



47, 14.783, 347.467



58, 22.061, 347.997



47, 12.663, 22.282



26, 3.633, 346.186



27, 51.305, 3.709



0, 0.860, 345.479

Previews

White Background



This preview shows how the CIELCh color 53, 14.320, 163.528 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 53, 14.320, 163.528 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

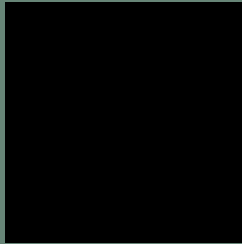
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

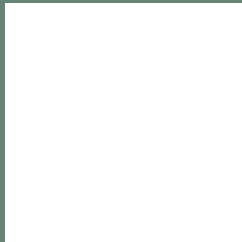
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 53, 14.320, 163.528

Background



This preview shows how black text looks on a background with the CIELCh color 53, 14.320, 163.528.



This preview shows how white text looks on a background with the CIELCh color 53, 14.320, 163.528.

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, 14.320, 163.528

Protanopia

53, 6.659, 91.282

Deuteranopia

53, 7.420, 24.603



Tritanopia
53, 10.055, 234.043

Trichromacy



Original Color
53, 14.320, 163.528

Protanomaly
53, 7.664, 134.307

Deuteranomaly
53, 3.479, 103.038

Tritanomaly
53, 9.383, 202.046

Monochromacy



Original Color
53, 14.320, 163.528

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 5.266, 165.517

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 14.320, 163.528 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(103, 133, 119)` looks like.

```
.text, #text, p{  
    color:rgb(103, 133, 119)  
}
```

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(103, 133, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 133, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 14.320, 163.528 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(103, 133, 119) }
```

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

```
.border{ border-color:rgb(103, 133, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 133, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 133, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 133, 119);  
box-shadow:4px 4px 4px 4px rgb(103, 133,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 14.320, 163.528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 133, 119) }
```

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

```
.background{ background-color: rgb(103,  
133, 119) }
```

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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