

Converting Colors

CIELCh(53, 28.437, 161.944)

Have a look what the booklet for
CIELCh(53, 28.437, 161.944)
contains.

CIELCh(53, 28.572, 162.199)	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(53, 28.572, 162.199)

Conversions

Conversions Part 1

Format	Color
Hex	4C8B6F
RGB	76, 139, 111
RGB Percent	30%, 55%, 44%
CMY	0.7031, 0.4560, 0.5658
CMYK	0.45, 0.00, 0.20, 0.46
HSL	153°, 29%, 42%
HSV	153°, 45%, 54%
XYZ	15.0014, 21.0462, 18.2296
YIQ	116.9710, -28.5600, -22.0640

Conversions

Conversions Part 2

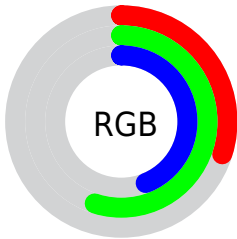
Format	Color
R_{YB}	76, 117, 139
Decimal	5016431
CIE _{Lab}	53.00, -27.20, 8.73
CIE _{LCh}	53, 28.572, 162.199
Yxy	21.0462, 0.2764, 0.3878
Android (android.graphics.Color)	4283206511 (0xFF4C8B6F)
YUV	116.9710, -2.9437, -35.9316
Hunter-Lab	45.8761, -21.9141, 8.5534

Details

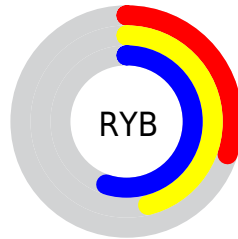
The CIELCh color $53, 28.572, 162.199$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $41, 30.602, 351.614$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 28.576, 162.534$, and $33, 28.377, 162.106$ is the 20% darker color. If you saturate the color by 10%, you get $52, 34.158, 160.849$, and if you desaturate by 10%, it is $54, 22.615, 163.402$.

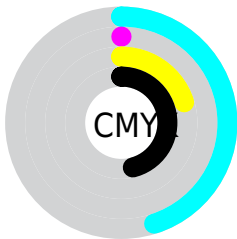
Distribution



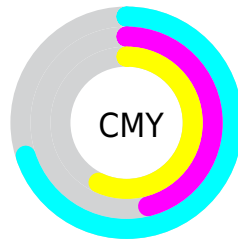
- Red (30%)
- Green (55%)
- Blue (44%)



- Red (30%)
- Yellow (46%)
- Blue (55%)



- Cyan (45%)
- Magenta (0%)
- Yellow (20%)
- Black (46%)




- Cyan (70%)
- Magenta (46%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 28.572, 162.199 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, 28.572, 162.199 by changing the saturation by 10% instead.


 53, 28.572,
162.199


 53, 28.572,
162.199


 100, 28.572,
162.199


 43, 28.572,
162.199


 73, 28.572,
162.199

 33, 28.572,
162.199

 83, 28.572,
162.199

 23, 28.572,
162.199

 93, 28.572,
162.199

 13, 28.572,
162.199

 3, 28.572, 162.199

 0, 28.572, 162.199

■ 53, 28.572,
162.199

■ 53, 28.572,
162.199

■ 52, 34.158,
160.849

■ 54, 22.615,
163.402

■ 52, 39.274,
159.330

■ 55, 16.389,
164.484

■ 51, 43.844,
157.624

■ 56, 9.992, 165.467

■ 51, 47.823,
155.716

■ 57, 3.512, 166.411

■ 58, 2.977, 347.019

■ 51, 51.238,
153.630

■ 60, 9.418, 347.842

■ 51, 52.736,
152.711

■ 61, 15.766,
348.552

■ 63, 21.990,
349.209

■ 65, 28.070,

Harmonies

Complementary

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



53, 28.572, 162.199



41, 30.602, 351.614

Rectangle

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



53, 28.572, 162.199



53, 28.572, 212.199



53, 28.572, 342.199



53, 28.572, 32.199

Sweetspot

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



53, 28.573, 162.198



72, 11.283, 165.572



54, 38.182, 128.758



38, 7.846, 165.389



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



53, 28.573, 162.198



67, 41.394, 160.882



53, 20.106, 202.733



29, 3.640, 166.053



48, 50.937, 152.817



1, 1.694, 166.774

Inverse Universe

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



41, 30.602, 351.614



49, 44.750, 353.169



40, 27.856, 27.375



27, 3.695, 347.489



27, 51.955, 5.909



0, 1.694, 346.763

Previews

White Background



This preview shows how the CIELCh color 53, 28.572, 162.199 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, 28.572, 162.199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

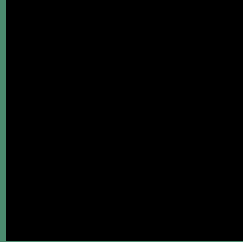
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 28.572, 162.199

Background



This preview shows how black text looks on a background with the CIELCh color 53, 28.572, 162.199.



This preview shows how white text looks on a background with the CIELCh color 53, 28.572, 162.199.

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, 28.572, 162.199

Protanopia
53, 13.005, 95.287

Deuteranopia
53, 9.731, 44.634



Tritanopia
53, 17.493, 219.444

Trichromacy



Original Color
53, 28.572, 162.199

Protanomaly
53, 16.415, 136.741

Deuteranomaly
52, 8.914, 133.461

Tritanomaly
53, 19.059, 192.256

Monochromacy



Original Color
53, 28.572, 162.199

Achromatopsia
49, 0.007, 296.813

Achromatomaly
50, 10.866, 165.747

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 28.572, 162.199 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(76, 139, 111)` looks like.

```
.text, #text, p{  
    color:rgb(76, 139, 111)  
}
```

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(76, 139, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 139, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 28.572, 162.199 is called "border". The border property can be set on classes, ids or directly on the HTML element.

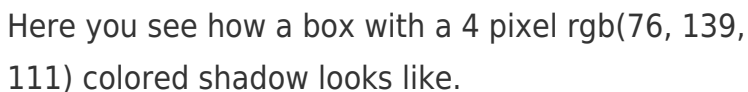
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(76, 139, 111) }
```

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

```
.border{ border-color:rgb(76, 139, 111) }
```

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



Here you see how a box with a 4 pixel `rgb(76, 139, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(76, 139, 111); -webkit-box-shadow:4px 4px 4px 4px rgb(76, 139, 111); box-shadow:4px 4px 4px 4px rgb(76, 139, 111) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 28.572, 162.199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 139, 111) }
```

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

```
.background{ background-color: rgb(76, 139,  
111) }
```

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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