

Converting Colors

CIELCh(53, 51.662, 136.159)

Have a look what the booklet for
CIELCh(53, 51.662, 136.159)
contains.

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Color

CIELCh(53, 51.662, 136.159)

Conversions

Conversions Part 1

Format	Color
Hex	4B8D3D
RGB	75, 141, 61
RGB Percent	29%, 55%, 24%
CMY	0.7040, 0.4452, 0.7591
CMYK	0.47, 0.00, 0.57, 0.45
HSL	109°, 39%, 40%
HSV	109°, 57%, 55%
XYZ	13.3878, 21.0462, 7.8334
YIQ	112.1460, -13.6560, -38.8720

Conversions

Conversions Part 2

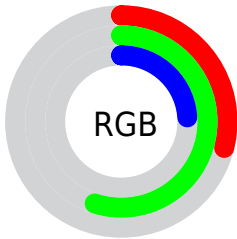
Format	Color
RYB	61, 141, 127
Decimal	4951357
CIELab	53.00, -37.26, 35.78
CIElCh	53, 51.662, 136.159
Yxy	21.0462, 0.3167, 0.4979
Android (android.graphics.Color)	4283141437 (0xFF4B8D3D)
YUV	112.1460, -25.2150, -32.5770
Hunter-Lab	45.8761, -28.1925, 21.9895

Details

The CIELCh color $53, 51.662, 136.159$ is a dark color, and the websafe version is hex 669933 . A complement of this color would be $38, 52.470, 321.839$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $73, 51.523, 136.321$, and $33, 51.641, 136.220$ is the 20% darker color. If you saturate the color by 10%, you get $52, 59.441, 135.505$, and if you desaturate by 10%, it is $54, 43.133, 136.859$.

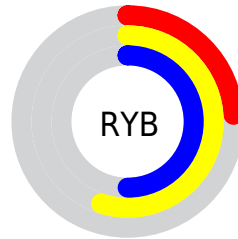
Distribution



Red (29%)

Green (55%)

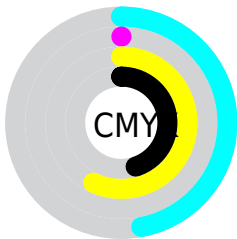
Blue (24%)



Red (24%)

Yellow (55%)

Blue (50%)

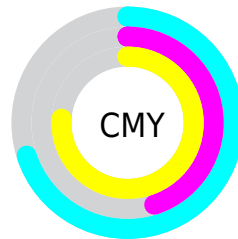


Cyan (47%)

Magenta (0%)

Yellow (57%)

Black (45%)



Cyan (70%)


Magenta (45%)


Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 51.662, 136.159 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, 51.662, 136.159 by changing the saturation by 10% instead.


 53, 51.662,
136.159


 53, 51.662,
136.159


 100, 51.662,
136.159


 43, 51.662,
136.159


 73, 51.662,
136.159

 33, 51.662,
136.159

 83, 51.662,
136.159

 23, 51.662,
136.159

 93, 51.662,
136.159

 13, 51.662,
136.159

 3, 51.662, 136.159

 0, 51.662, 136.159

■ 53, 51.662,
136.159

■ 53, 51.662,
136.159

■ 52, 59.441,
135.505

■ 54, 43.133,
136.859

■ 52, 66.124,
134.989

■ 55, 34.128,
137.544

■ 51, 71.331,
134.732

■ 56, 24.857,
138.180

■ 51, 74.877,
134.774

■ 57, 15.478,
138.755

■ 51, 75.934,
134.736

■ 58, 6.107, 139.274

■ 59, 3.171, 319.633

■ 61, 12.297,
320.050

■ 62, 21.230,
320.381

■ 64, 29.946,
320.661

Harmonies

Complementary

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



53, 51.662, 136.159



38, 52.470, 321.839

Rectangle

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



53, 51.662, 136.159



53, 51.662, 186.159



53, 51.662, 316.159



53, 51.662, 6.159

Sweetspot

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



53, 51.663, 136.160



72, 19.644, 138.712



53, 37.224, 94.933



37, 13.099, 138.617



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, 51.663, 136.160



67, 74.481, 135.338



53, 43.308, 149.522



30, 5.295, 139.142



49, 73.415, 134.697



2, 3.566, 139.543

Inverse Universe

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



38, 52.470, 321.839



45, 75.435, 322.105



38, 43.593, 339.472



28, 5.320, 319.923



27, 73.181, 321.736



1, 3.567, 319.539

Previews

White Background



This preview shows how the CIELCh color 53, 51.662, 136.159 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, 51.662, 136.159 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, 51.662, 136.159

Background



This preview shows how black text looks on a background with the CIELCh color 53, 51.662, 136.159.



This preview shows how white text looks on a background with the CIELCh color 53, 51.662, 136.159.

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, 51.662, 136.159

Protanopia
53, 39.002, 95.570

Deuteranopia
53, 34.536, 78.769



Tritanopia
53, 15.614, 222.369

Trichromacy



Original Color
53, 51.662, 136.159

Protanomaly
53, 40.796, 114.735

Deuteranomaly
52, 35.275, 107.902

Tritanomaly
53, 23.260, 163.907

Monochromacy



Original Color
53, 51.662, 136.159

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 19.681, 138.461

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 51.662, 136.159 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(75, 141, 61)` looks like.

```
.text, #text, p{  
    color:rgb(75, 141, 61)  
}
```

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(75, 141, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 141, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 51.662, 136.159 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(75, 141, 61) }
```

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

```
.border{ border-color:rgb(75, 141, 61) }
```

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

Here you see how a box with a 4 pixel rgb(75, 141, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 141, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 141, 61);  
box-shadow:4px 4px 4px 4px rgb(75, 141,  
61) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 51.662, 136.159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 141, 61) }
```

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

```
.background{ background-color: rgb(75, 141,  
61) }
```

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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