

Converting Colors

CIELCh(53, 49.366, 135.268)

Have a look what the booklet for
CIELCh(53, 49.366, 135.268)
contains.

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Color

CIELCh(53, 49.429, 135.500)

Conversions

Conversions Part 1

Format	Color
Hex	508D40
RGB	80, 141, 64
RGB Percent	31%, 55%, 25%
CMY	0.6872, 0.4479, 0.7498
CMYK	0.43, 0.00, 0.55, 0.45
HSL	108°, 38%, 40%
HSV	108°, 55%, 55%
XYZ	13.7000, 21.0462, 8.1595
YIQ	113.9830, -11.6390, -36.8790

Conversions

Conversions Part 2

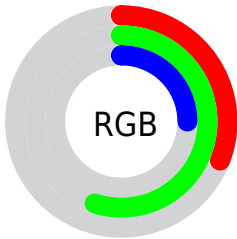
Format	Color
RYB	64, 141, 125
Decimal	5279040
CIELab	53.00, -35.26, 34.65
CIELCh	53, 49.429, 135.500
Yxy	21.0462, 0.3193, 0.4905
Android (android.graphics.Color)	4283469120 (0xFF508D40)
YUV	113.9830, -24.6416, -29.8031
Hunter-Lab	45.8761, -26.9777, 21.5679

Details

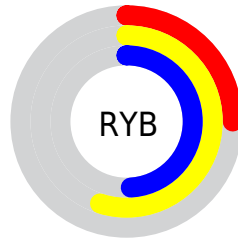
The CIELCh color $53, 49.429, 135.500$ is a dark color, and the websafe version is hex 669933 . A complement of this color would be $38, 50.473, 320.785$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $73, 49.258, 135.547$, and $33, 49.378, 135.392$ is the 20% darker color. If you saturate the color by 10%, you get $52, 57.306, 134.896$, and if you desaturate by 10%, it is $54, 40.889, 136.150$.

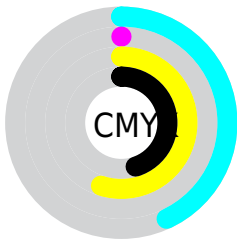
Distribution



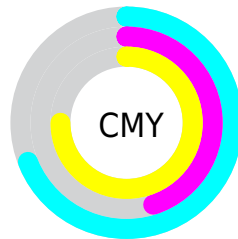
- Red (31%)
- Green (55%)
- Blue (25%)



- Red (25%)
- Yellow (55%)
- Blue (49%)



- Cyan (43%)
- Magenta (0%)
- Yellow (55%)
- Black (45%)




- Cyan (69%)
- Magenta (45%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 49.429, 135.500 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, 49.429, 135.500 by changing the saturation by 10% instead.

 53, 49.429,
135.500

 53, 49.429,
135.500

 100, 49.429,
135.500


 43, 49.429,
135.500


 73, 49.429,
135.500

 33, 49.429,
135.500

 83, 49.429,
135.500

 23, 49.429,
135.500

 93, 49.429,
135.500

 13, 49.429,
135.500

 3, 49.429, 135.500

 0, 49.429, 135.500

■ 53, 49.429,
135.500

■ 53, 49.429,
135.500

■ 52, 57.306,
134.896

■ 54, 40.889,
136.150

■ 52, 64.192,
134.423

■ 55, 31.938,
136.786

■ 51, 69.715,
134.199

■ 56, 22.765,
137.381

■ 51, 73.576,
134.317

■ 57, 13.514,
137.921

■ 51, 75.272,
134.341

■ 58, 4.286, 138.420

■ 59, 4.843, 318.764

■ 61, 13.820,
319.144

■ 62, 22.611,
319.458

■ 64, 31.192,
319.725

Harmonies

Complementary

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



53, 49.429, 135.500



38, 50.473, 320.785

Rectangle

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



53, 49.429, 135.500



53, 49.429, 185.500



53, 49.429, 315.500



53, 49.429, 5.500

Sweetspot

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



53, 49.430, 135.501



72, 18.298, 137.835



52, 34.953, 92.932



37, 12.317, 137.742



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, 49.430, 135.501



67, 72.104, 134.749



53, 42.945, 148.532



30, 5.243, 138.196



49, 73.039, 134.302



2, 3.532, 138.585

Inverse Universe

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



38, 50.473, 320.785



45, 73.583, 321.067



39, 43.088, 337.697



28, 5.272, 318.955



26, 73.503, 320.622



1, 3.533, 318.582

Previews

White Background



This preview shows how the CIE LCh color 53, 49.429, 135.500 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, 49.429, 135.500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

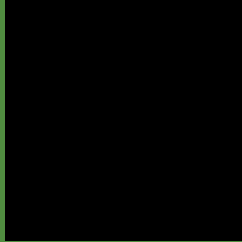
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 49.429, 135.500

Background



This preview shows how black text looks on a background with the CIELCh color 53, 49.429, 135.500.



This preview shows how white text looks on a background with the CIELCh color 53, 49.429, 135.500.

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, 49.429, 135.500

Protanopia
53, 38.008, 95.468

Deuteranopia
53, 33.549, 78.127



Tritanopia
53, 14.514, 224.458

Trichromacy



Original Color
53, 49.429, 135.500

Protanomaly
52, 39.201, 113.948

Deuteranomaly
52, 34.210, 106.576

Tritanomaly
53, 21.525, 162.877

Monochromacy



Original Color
53, 49.429, 135.500

Achromatopsia
48, 0.006, 296.813

Achromatomaly
50, 18.726, 137.320

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 49.429, 135.500 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(80, 141, 64)` looks like.

```
.text, #text, p{  
    color:rgb(80, 141, 64)  
}
```

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(80, 141, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 141, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 49.429, 135.500 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(80, 141, 64) }
```

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

```
.border{ border-color:rgb(80, 141, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 141, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 141, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 141, 64);  
box-shadow:4px 4px 4px 4px rgb(80, 141,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 49.429, 135.500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 141, 64) }
```

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

```
.background{ background-color: rgb(80, 141,  
64) }
```

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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