

Converting Colors

CIELCh(53, 49.926, 146.251)

Have a look what the booklet for
CIELCh(53, 49.926, 146.251)
contains.

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Color

CIELCh(53, 49.577, 146.398)

Conversions

Conversions Part 1

Format	Color
Hex	378F4D
RGB	55, 143, 77
RGB Percent	22%, 56%, 30%
CMY	0.7836, 0.4386, 0.6975
CMYK	0.61, 0.00, 0.46, 0.44
HSL	135°, 44%, 39%
HSV	135°, 61%, 56%
XYZ	12.7751, 21.0462, 10.4361
YIQ	109.1640, -31.2620, -39.1820

Conversions

Conversions Part 2

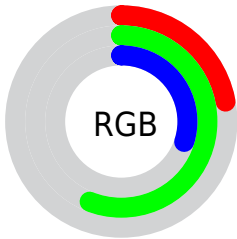
Format	Color
RYB	55, 125, 143
Decimal	3641165
CIELab	53.00, -41.29, 27.44
CIElCh	53, 49.577, 146.398
Yxy	21.0462, 0.2887, 0.4755
Android (android.graphics.Color)	4281831245 (0xFF378F4D)
YUV	109.1640, -15.8569, -47.5018
Hunter-Lab	45.8761, -30.5764, 18.6257

Details

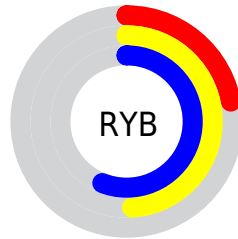
The CIELCh color $53, 49.577, 146.398$ is a dark color, and the websafe version is hex 339966 . A complement of this color would be $38, 49.185, 336.762$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $73, 49.763, 146.280$, and $33, 47.690, 143.534$ is the 20% darker color. If you saturate the color by 10%, you get $52, 56.250, 144.900$, and if you desaturate by 10%, it is $54, 42.252, 147.733$.

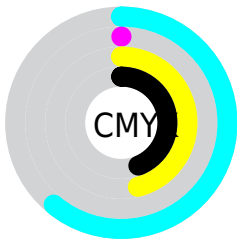
Distribution



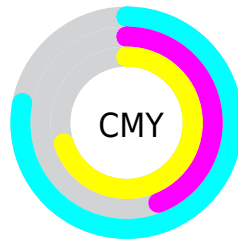
- Red (22%)
- Green (56%)
- Blue (30%)



- Red (22%)
- Yellow (49%)
- Blue (56%)



- Cyan (61%)
- Magenta (0%)
- Yellow (46%)
- Black (44%)




- Cyan (78%)
- Magenta (44%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 49.577, 146.398 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, 49.577, 146.398 by changing the saturation by 10% instead.

 53, 49.577,
146.398

 53, 49.577,
146.398


 100, 49.577,
146.398


 43, 49.577,
146.398


 73, 49.577,
146.398

 33, 49.577,
146.398

 83, 49.577,
146.398

 23, 49.577,
146.398

 93, 49.577,
146.398

 13, 49.577,
146.398

 3, 49.577, 146.398

 0, 49.577, 146.398

■ 53, 49.577,
146.398

■ 53, 49.577,
146.398

■ 52, 56.250,
144.900

■ 54, 42.252,
147.733

■ 52, 62.121,
143.256

■ 55, 34.434,
148.904

■ 52, 67.073,
141.516

■ 55, 26.285,
149.925

■ 52, 70.634,
140.130

■ 57, 17.951,
150.814

■ 58, 9.557, 151.594

■ 59, 1.205, 152.447

■ 61, 7.028, 332.788

■ 62, 15.087,
333.323

■ 64, 22.936,
333.787

Harmonies

Complementary

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



53, 49.577, 146.398



38, 49.185, 336.762

Rectangle

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



53, 49.577, 146.398



53, 49.577, 196.398



53, 49.577, 326.398



53, 49.577, 16.398

Sweetspot

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



53, 49.578, 146.398



73, 18.644, 151.065



56, 47.995, 115.695



38, 13.064, 150.850



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, 49.578, 146.398



67, 71.299, 144.242



54, 32.522, 171.657



30, 4.693, 151.762



49, 67.574, 140.236



2, 3.160, 152.332

Inverse Universe

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



38, 49.185, 336.762



45, 68.831, 338.081



36, 39.792, 7.488



28, 4.711, 332.873



30, 59.830, 340.918



1, 3.161, 332.325

Previews

White Background



This preview shows how the CIELCh color 53, 49.577, 146.398 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, 49.577, 146.398 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, 49.577, 146.398

Background



This preview shows how black text looks on a background with the CIELCh color 53, 49.577, 146.398.



This preview shows how white text looks on a background with the CIELCh color 53, 49.577, 146.398.

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, 49.577, 146.398

Protanopia
53, 31.631, 96.159

Deuteranopia
53, 25.841, 74.302



Tritanopia
53, 20.270, 216.128

Trichromacy



Original Color
53, 49.577, 146.398

Protanomaly
52, 34.800, 123.596

Deuteranomaly
52, 27.251, 117.916

Tritanomaly
53, 26.547, 174.930

Monochromacy



Original Color
53, 49.577, 146.398

Achromatopsia
46, 0.006, 296.813

Achromatomaly
48, 19.270, 150.434

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 49.577, 146.398 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(55, 143, 77)` looks like.

```
.text, #text, p{  
    color:rgb(55, 143, 77)  
}
```

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(55, 143, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 143, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 49.577, 146.398 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(55, 143, 77) }
```

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

```
.border{ border-color:rgb(55, 143, 77) }
```

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

Here you see how a box with a 4 pixel rgb(55, 143, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 143, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 143, 77);  
box-shadow:4px 4px 4px 4px rgb(55, 143,  
77) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 49.577, 146.398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 143, 77) }
```

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

```
.background{ background-color: rgb(55, 143,  
77) }
```

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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