

Converting Colors

CIELCh(53, 43.979, 120.415)

Have a look what the booklet for
CIELCh(53, 43.979, 120.415)
contains.

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Color

CIELCh(53, 44.326, 120.683)

Conversions

Conversions Part 1

Format	Color
Hex	6D883A
RGB	109, 136, 58
RGB Percent	43%, 53%, 23%
CMY	0.5739, 0.4680, 0.7738
CMYK	0.20, 0.00, 0.57, 0.47
HSL	81°, 40%, 38%
HSV	81°, 57%, 53%
XYZ	15.7781, 21.0462, 7.1917
YIQ	119.0350, 8.9460, -29.9820

Conversions

Conversions Part 2

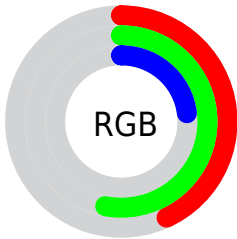
Format	Color
RYB	58, 136, 85
Decimal	7178298
CIELab	53.00, -22.62, 38.12
CIELCh	53, 44.326, 120.683
Yxy	21.0462, 0.3585, 0.4781
Android (android.graphics.Color)	4285368378 (0xFF6D883A)
YUV	119.0350, -30.0903, -8.8007
Hunter-Lab	45.8761, -18.8921, 22.8188

Details

The CIELCh color $53, 44.326, 120.683$ is a dark color, and the websafe version is hex 669933 . A complement of this color would be $31, 49.831, 307.409$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 44.039, 120.722$, and $33, 44.309, 120.368$ is the 20% darker color. If you saturate the color by 10%, you get $53, 50.861, 120.438$, and if you desaturate by 10%, it is $54, 37.177, 121.084$.

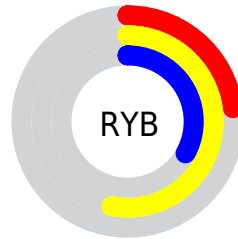
Distribution



Red (43%)

Green (53%)

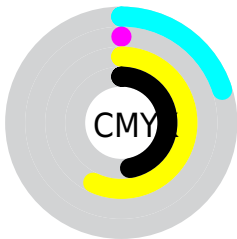
Blue (23%)



Red (23%)

Yellow (53%)

Blue (33%)

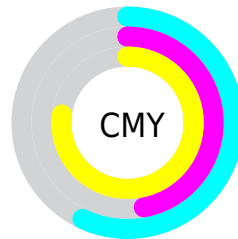


Cyan (20%)

Magenta (0%)

Yellow (57%)

Black (47%)



Cyan (57%)

Magenta (47%)

Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 44.326, 120.683 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, 44.326, 120.683 by changing the saturation by 10% instead.

 53, 44.326,
120.683

 53, 44.326,
120.683

 100, 44.326,
120.683

 43, 44.326,
120.683


 73, 44.326,
120.683

 33, 44.326,
120.683

 83, 44.326,
120.683

 23, 44.326,
120.683

 93, 44.326,
120.683

 13, 44.326,
120.683

 3, 44.326, 120.683

 0, 44.326, 120.683

■ 53, 44.326,
120.683

■ 53, 44.326,
120.683

■ 53, 50.861,
120.438

■ 54, 37.177,
121.084

■ 52, 56.482,
120.433

■ 54, 29.634,
121.568

■ 52, 60.859,
120.778

■ 55, 21.852,
122.092

■ 51, 63.952,
121.481

■ 55, 13.938,
122.628

■ 51, 64.705,
121.649

■ 56, 5.965, 123.157

■ 57, 2.017, 303.629

■ 58, 9.972, 304.126

■ 58, 17.873,
304.575

■ 59, 25.701,
304.990

Harmonies

Complementary

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



53, 44.326, 120.683



31, 49.831, 307.409

Rectangle

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



53, 44.326, 120.683



53, 44.326, 170.683



53, 44.326, 300.683



53, 44.326, 350.683

Sweetspot

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



53, 44.327, 120.685



70, 16.762, 122.633



41, 30.627, 52.082



37, 11.297, 122.543



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



53, 44.327, 120.685



67, 63.741, 120.406



51, 50.784, 136.317



29, 4.556, 123.068



50, 63.627, 121.615



1, 2.120, 123.528

Inverse Universe

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



31, 49.831, 307.409



35, 74.105, 308.359



36, 51.500, 322.129



27, 4.633, 304.007



17, 78.982, 309.255



0, 2.121, 303.527

Previews

White Background



This preview shows how the CIELCh color 53, 44.326, 120.683 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, 44.326, 120.683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

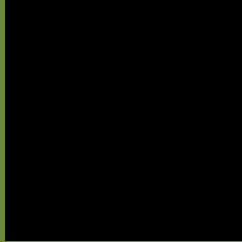
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 44.326, 120.683

Background



This preview shows how black text looks on a background with the CIELCh color 53, 44.326, 120.683.



This preview shows how white text looks on a background with the CIELCh color 53, 44.326, 120.683.

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, 44.326, 120.683

Protanopia
53, 39.983, 95.661

Deuteranopia
53, 37.220, 79.538



Tritanopia
53, 6.473, 262.965

Trichromacy



Original Color
53, 44.326, 120.683

Protanomaly
53, 40.723, 105.691

Deuteranomaly
53, 37.335, 96.824

Tritanomaly
53, 14.127, 134.444

Monochromacy



Original Color
53, 44.326, 120.683

Achromatopsia
50, 0.007, 296.813

Achromatomaly
51, 16.720, 122.793

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 44.326, 120.683 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(109, 136, 58)` looks like.

```
.text, #text, p{  
    color:rgb(109, 136, 58)  
}
```

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(109, 136, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 136, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 44.326, 120.683 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(109, 136, 58) }
```

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

```
.border{ border-color:rgb(109, 136, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 136, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 136, 58); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 136, 58); box-shadow:4px 4px 4px 4px rgb(109, 136, 58) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 44.326, 120.683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 136, 58) }
```

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

```
.background{ background-color: rgb(109,  
136, 58) }
```

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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