

Converting Colors

CIELCh(53, 52.469, 120.569)

Have a look what the booklet for
CIELCh(53, 52.469, 120.569)
contains.

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Color

CIELCh(53, 52.408, 120.460)

Conversions

Conversions Part 1

Format	Color
Hex	68892A
RGB	104, 137, 42
RGB Percent	41%, 54%, 16%
CMY	0.5917, 0.4622, 0.8348
CMYK	0.24, 0.00, 0.69, 0.46
HSL	81°, 53%, 35%
HSV	81°, 69%, 54%
XYZ	15.1076, 21.0462, 5.4686
YIQ	116.3030, 10.8270, -36.5410

Conversions

Conversions Part 2

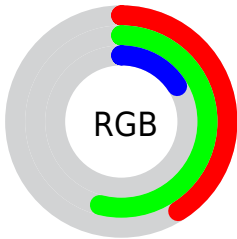
Format	Color
R_{YB}	42, 137, 75
Decimal	6850858
CIE _{Lab}	53.00, -26.57, 45.17
CIE _{LCh}	53, 52.408, 120.460
Yxy	21.0462, 0.3630, 0.5056
Android (android.graphics.Color)	4285040938 (0xFF68892A)
YUV	116.3030, -36.6314, -10.7897
Hunter-Lab	45.8761, -21.5006, 25.0457

Details

The CIELCh color $53, 52.408, 120.460$ is a dark color, and the websafe version is hex 669933 . A complement of this color would be $27, 60.727, 308.309$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 52.622, 120.470$, and $33, 47.615, 122.741$ is the 20% darker color. If you saturate the color by 10%, you get $53, 57.872, 120.515$, and if you desaturate by 10%, it is $53, 45.961, 120.671$.

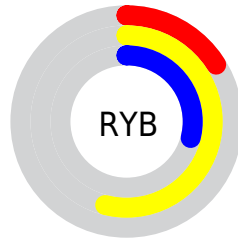
Distribution



Red (41%)

Green (54%)

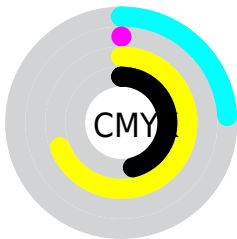
Blue (16%)



Red (16%)

Yellow (54%)

Blue (29%)

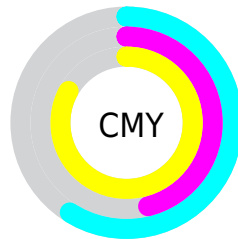


Cyan (24%)

Magenta (0%)

Yellow (69%)

Black (46%)



Cyan (59%)

Magenta (46%)

Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 52.408, 120.460 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, 52.408, 120.460 by changing the saturation by 10% instead.


 53, 52.408,
120.460

 53, 52.408,
120.460


 100, 52.408,
120.460

 43, 52.408,
120.460


 73, 52.408,
120.460

 33, 52.408,
120.460

 83, 52.408,
120.460

 23, 52.408,
120.460

 93, 52.408,
120.460

 13, 52.408,
120.460

 3, 52.408, 120.460

 0, 52.408, 120.460

■ 53, 52.408,
120.460

■ 53, 52.408,
120.460

■ 53, 57.872,
120.515

■ 53, 45.961,
120.671

■ 52, 62.021,
120.938

■ 54, 38.842,
121.047

■ 52, 65.023,
121.666

■ 54, 31.290,
121.519

■ 52, 65.240,
121.714

■ 55, 23.472,
122.039

■ 56, 15.504,
122.573

■ 56, 7.466, 123.104

■ 57, 0.590, 303.522

■ 58, 8.623, 304.082

■ 59, 16.606,
304.537

Harmonies

Complementary

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



53, 52.408, 120.460



27, 60.727, 308.309

Rectangle

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



53, 52.408, 120.460



53, 52.408, 170.460



53, 52.408, 300.460



53, 52.408, 350.460

Sweetspot

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



53, 52.409, 120.462



71, 20.938, 122.456



38, 38.660, 51.636



37, 14.107, 122.330



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, 52.409, 120.462



67, 73.242, 120.698



51, 59.996, 135.539



29, 4.557, 123.111



50, 63.649, 121.665



1, 2.121, 123.570

Inverse Universe

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



27, 60.727, 308.309



29, 88.214, 309.086



33, 60.661, 322.376



27, 4.634, 304.048



17, 78.966, 309.272



0, 2.121, 303.568

Previews

White Background



This preview shows how the CIELCh color 53, 52.408, 120.460 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, 52.408, 120.460 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, 52.408, 120.460

Background



This preview shows how black text looks on a background with the CIELCh color 53, 52.408, 120.460.



This preview shows how white text looks on a background with the CIELCh color 53, 52.408, 120.460.

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, 52.408, 120.460

Protanopia
53, 47.305, 95.504

Deuteranopia
53, 44.224, 81.295



Tritanopia
53, 7.241, 252.397

Trichromacy



Original Color
53, 52.408, 120.460

Protanomaly
53, 47.949, 105.268

Deuteranomaly
52, 44.051, 97.169

Tritanomaly
53, 17.951, 134.128

Monochromacy



Original Color
53, 52.408, 120.460

Achromatopsia
49, 0.007, 296.813

Achromatomaly
50, 20.832, 121.931

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 52.408, 120.460 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(104, 137, 42)` looks like.

```
.text, #text, p{  
    color:rgb(104, 137, 42)  
}
```

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(104, 137, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 137, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 52.408, 120.460 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(104, 137, 42) }
```

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

```
.border{ border-color:rgb(104, 137, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 137, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 137, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 137, 42);  
box-shadow:4px 4px 4px 4px rgb(104, 137,  
42) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 52.408, 120.460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 137, 42) }
```

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

```
.background{ background-color: rgb(104,  
137, 42) }
```

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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