

Converting Colors

CIELCh(52, 29.995, 131.427)

Have a look what the booklet for
CIELCh(52, 29.995, 131.427)
contains.

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Color

CIELCh(52, 29.493, 131.458)

Conversions

Conversions Part 1

Format	Color
Hex	678455
RGB	103, 132, 85
RGB Percent	40%, 52%, 33%
CMY	0.5949, 0.4812, 0.6656
CMYK	0.22, 0.00, 0.36, 0.48
HSL	97°, 22%, 43%
HSV	97°, 36%, 52%
XYZ	15.5692, 20.1443, 11.7202
YIQ	117.9710, -2.1970, -20.7650

Conversions

Conversions Part 2

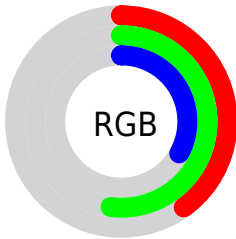
Format	Color
R_{YB}	85, 132, 114
Decimal	6784085
CIE _{Lab}	52.00, -19.53, 22.10
CIE _{LCh}	52, 29.493, 131.458
Yxy	20.1443, 0.3282, 0.4247
Android (android.graphics.Color)	4284974165 (0xFF678455)
YUV	117.9710, -16.2547, -13.1296
Hunter-Lab	44.8824, -16.6245, 15.9353

Details

The CIELCh color $52, 29.493, 131.458$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $41, 30.541, 314.553$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 29.417, 131.276$, and $32, 29.131, 131.137$ is the 20% darker color. If you saturate the color by 10%, you get $51, 37.548, 130.976$, and if you desaturate by 10%, it is $53, 21.248, 131.944$.

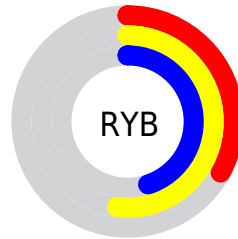
Distribution



Red (40%)

Green (52%)

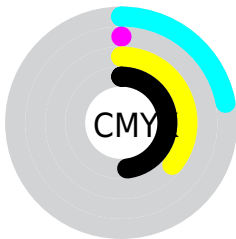
Blue (33%)



Red (33%)

Yellow (52%)

Blue (45%)

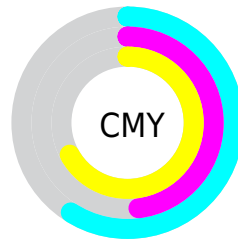


Cyan (22%)

Magenta (0%)

Yellow (36%)

Black (48%)



Cyan (59%)

Magenta (48%)


Yellow (67%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 29.493, 131.458 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 52, 29.493, 131.458 by changing the saturation by 10% instead.

 52, 29.493,
131.458


 52, 29.493,
131.458

 100, 29.493,
131.458

 42, 29.493,
131.458

 72, 29.493,
131.458

 32, 29.493,
131.458

 82, 29.493,
131.458

 22, 29.493,
131.458

 92, 29.493,
131.458

 12, 29.493,
131.458

 2, 29.493, 131.458

 0, 29.493, 131.458

■ 52, 29.493,
131.458

■ 52, 29.493,
131.458

■ 51, 37.548,
130.976

■ 53, 21.248,
131.944

■ 51, 45.257,
130.534

■ 54, 12.920,
132.408

■ 50, 52.405,
130.195

■ 55, 4.589, 132.852

■ 50, 58.709,
130.053

■ 56, 3.689, 313.185

■ 49, 63.837,
130.222

■ 57, 11.872,
313.555

■ 49, 67.582,
130.765

■ 58, 19.934,
313.868

■ 49, 69.102,
130.972

■ 59, 27.853,
314.143

■ 61, 35.618,
314.384

■ 62, 43.221,
314.595

Harmonies

Complementary

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



52, 29.493, 131.458



41, 30.541, 314.553

Rectangle

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



52, 29.493, 131.458



52, 29.493, 181.458



52, 29.493, 311.458



52, 29.493, 1.458

Sweetspot

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



52, 29.494, 131.459



69, 11.257, 132.600



49, 18.842, 82.412



36, 7.626, 132.550



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



52, 29.494, 131.459



65, 43.751, 131.051



51, 30.636, 145.197



28, 4.688, 132.693



48, 68.231, 130.947



1, 1.122, 133.048

Inverse Universe

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



41, 30.541, 314.553



49, 45.696, 314.914



43, 30.656, 329.810



26, 4.735, 313.398



21, 73.689, 315.194



0, 1.122, 313.045

Previews

White Background



This preview shows how the CIELCh color 52, 29.493, 131.458 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 52, 29.493, 131.458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

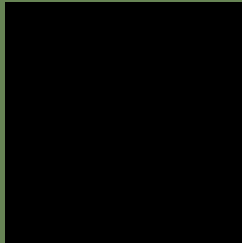
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 29.493, 131.458

Background



This preview shows how black text looks on a background with the CIELCh color 52, 29.493, 131.458.



This preview shows how white text looks on a background with the CIELCh color 52, 29.493, 131.458.

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](#).

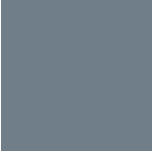
Dichromacy



Original Color
52, 29.493, 131.458

Protanopia
52, 24.482, 96.480

Deuteranopia
52, 21.957, 71.410



Tritanopia
52, 7.959, 246.085

Trichromacy



Original Color
52, 29.493, 131.458

Protanomaly
52, 25.133, 110.999

Deuteranomaly
51, 21.014, 97.747

Tritanomaly
52, 9.877, 162.390

Monochromacy



Original Color
52, 29.493, 131.458

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 10.737, 131.531

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 29.493, 131.458 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(103, 132, 85)` looks like.

```
.text, #text, p{  
    color:rgb(103, 132, 85)  
}
```

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(103, 132, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 132, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 29.493, 131.458 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(103, 132, 85) }
```

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

```
.border{ border-color:rgb(103, 132, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 132, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 132, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 132, 85);  
box-shadow:4px 4px 4px 4px rgb(103, 132,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 29.493, 131.458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 132, 85) }
```

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

```
.background{ background-color: rgb(103,  
132, 85) }
```

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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