

Converting Colors

CIELCh(40, 28.979, 120.814)

Have a look what the booklet for
CIELCh(40, 28.979, 120.814)
contains.

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Color

CIELCh(40, 29.210, 120.607)

Conversions

Conversions Part 1

Format	Color
Hex	546434
RGB	84, 100, 52
RGB Percent	33%, 39%, 20%
CMY	0.6705, 0.6078, 0.7960
CMYK	0.16, 0.00, 0.48, 0.61
HSL	80°, 32%, 30%
HSV	80°, 48%, 39%
XYZ	8.8364, 11.2510, 4.9564
YIQ	89.7440, 5.8720, -18.3200

Conversions

Conversions Part 2

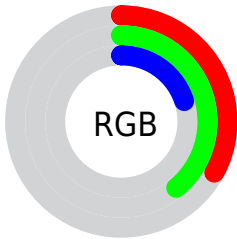
Format	Color
RYB	52, 100, 68
Decimal	5530676
CIELab	40.00, -14.87, 25.14
CIELCh	40, 29.210, 120.607
Yxy	11.2510, 0.3528, 0.4493
Android (android.graphics.Color)	4283720756 (0xFF546434)
YUV	89.7440, -18.6078, -5.0375
Hunter-Lab	33.5425, -11.6756, 14.7187

Details

The CIELCh color $40, 29.210, 120.607$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $26, 32.028, 306.149$, and the grayscale version is $38, 0.005, 296.813$.

A 20% lighter version of the original color is $60, 29.034, 120.444$, and $20, 29.270, 120.678$ is the 20% darker color. If you saturate the color by 10%, you get $40, 34.802, 120.202$, and if you desaturate by 10%, it is $40, 23.337, 121.090$.

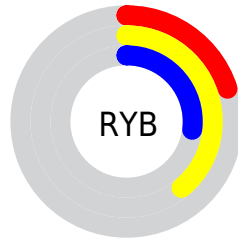
Distribution



Red (33%)

Green (39%)

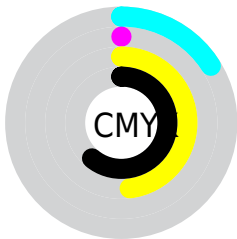
Blue (20%)



Red (20%)

Yellow (39%)

Blue (27%)

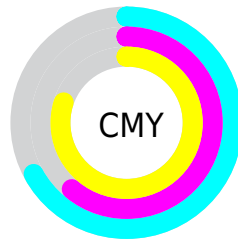


Cyan (16%)

Magenta (0%)

Yellow (48%)

Black (61%)



Cyan (67%)


Magenta (61%)


Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 29.210, 120.607 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 40, 29.210, 120.607 by changing the saturation by 10% instead.


 40, 29.210,
120.607


 40, 29.210,
120.607


 100, 29.210,
120.607


 30, 29.210,
120.607

 60, 29.210,
120.607


 20, 29.210,
120.607

 70, 29.210,
120.607

 10, 29.210,
120.607

 80, 29.210,
120.607

 0, 29.210, 120.607

 90, 29.210,
120.607

 40, 29.210,

 40, 29.210,

120.607

120.607

■ 40, 34.802,
120.202

■ 40, 23.337,
121.090

■ 39, 39.954,
119.927

■ 41, 17.289,
121.607

■ 39, 44.458,
119.863

■ 41, 11.143,
122.134

■ 39, 48.072,
120.102

■ 42, 4.952, 122.656

■ 38, 51.048,
120.519

■ 43, 1.249, 303.119

■ 43, 7.432, 303.617

■ 38, 51.674,
120.576

■ 44, 13.578,
304.065

■ 44, 19.673,
304.481

■ 45, 25.705,

Harmonies

Complementary

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



40, 29.210, 120.607



26, 32.028, 306.149

Rectangle

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



40, 29.210, 120.607



40, 29.210, 170.607



40, 29.210, 300.607



40, 29.210, 350.607

Sweetspot

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



40, 29.211, 120.609



53, 10.762, 122.322



32, 19.154, 52.583



27, 7.487, 122.239



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



40, 29.211, 120.609



51, 43.059, 120.144



38, 33.533, 137.102



21, 3.534, 122.607



44, 57.038, 120.813



88, 99.526, 121.712

Inverse Universe

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



26, 32.028, 306.149



29, 48.568, 307.069



29, 34.007, 321.773



19, 3.593, 303.509



14, 71.233, 309.206



34, 124.429, 308.624

Previews

White Background



This preview shows how the CIELCh color 40, 29.210, 120.607 looks on a white 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

Black Background



This preview shows how the CIELCh color 40, 29.210, 120.607 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

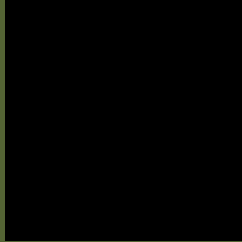
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 29.210, 120.607

Background



This preview shows how black text looks on a background with the CIELCh color 40, 29.210, 120.607.



This preview shows how white text looks on a background with the CIELCh color 40, 29.210, 120.607.

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

40, 29.210, 120.607

Protanopia

40, 26.646, 95.555

Deuteranopia

40, 24.636, 77.231



Tritanopia
40, 5.107, 272.610

Trichromacy



Original Color
40, 29.210, 120.607

Protanomaly
40, 26.644, 104.981

Deuteranomaly
40, 24.412, 95.039

Tritanomaly
40, 8.086, 134.183

Monochromacy



Original Color
40, 29.210, 120.607

Achromatopsia
38, 0.005, 296.813

Achromatomaly
39, 11.265, 122.080

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 29.210, 120.607 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(84, 100, 52)` looks like.

```
.text, #text, p{  
    color:rgb(84, 100, 52)  
}
```

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(84, 100, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 100, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 29.210, 120.607 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(84, 100, 52) }
```

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

```
.border{ border-color:rgb(84, 100, 52) }
```

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

Here you see how a box with a 4 pixel rgb(84, 100, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 100, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 100, 52);  
box-shadow:4px 4px 4px 4px rgb(84, 100,  
52) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 29.210, 120.607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 100, 52) }
```

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

```
.background{ background-color: rgb(84, 100,  
52) }
```

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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