

Converting Colors

CIELCh(60, 78.787, 128.896)

Have a look what the booklet for
CIELCh(60, 78.787, 128.896)
contains.

CIELCh(60, 78.802, 128.976)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(60, 78.802, 128.976)

Conversions

Conversions Part 1

Format	Color
Hex	4DA402
RGB	77, 164, 2
RGB Percent	30%, 64%, 1%
CMY	0.6982, 0.3569, 0.9923
CMYK	0.53, 0.00, 0.99, 0.36
HSL	92°, 98%, 33%
HSV	92°, 99%, 64%
XYZ	16.3402, 28.1233, 4.6231
YIQ	119.5190, 0.1500, -68.8260

Conversions

Conversions Part 2

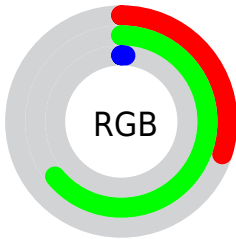
Format	Color
R_{YB}	2, 164, 89
Decimal	5088258
CIE _{Lab}	60.00, -49.57, 61.26
CIE _{LCh}	60, 78.802, 128.976
Yxy	28.1233, 0.3329, 0.5729
Android (android.graphics.Color)	4283278338 (0xFF4DA402)
YUV	119.5190, -57.9369, -37.2892
Hunter-Lab	53.0314, -37.8051, 31.9533

Details

The CIELCh color $60, 78.802, 128.976$ is a dark color, and the websafe version is hex 339900 . A complement of this color would be $26, 88.372, 312.922$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $80, 78.831, 129.053$, and $40, 64.885, 136.016$ is the 20% darker color. If you saturate the color by 10%, you get $60, 79.205, 129.071$, and if you desaturate by 10%, it is $60, 75.219, 128.125$.

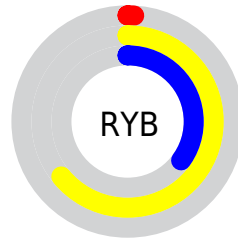
Distribution



Red (30%)

Green (64%)

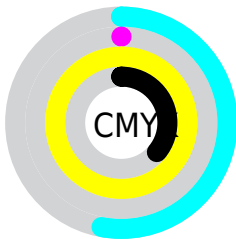
Blue (1%)



Red (1%)

Yellow (64%)

Blue (35%)

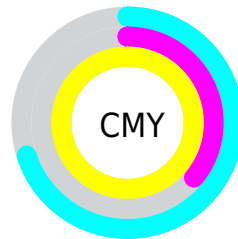


Cyan (53%)

Magenta (0%)

Yellow (99%)

Black (36%)



Cyan (70%)


Magenta (36%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 78.802, 128.976 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 60, 78.802, 128.976 by changing the saturation by 10% instead.


 60, 78.802,
128.976


 60, 78.802,
128.976


 100, 78.802,
128.976


 50, 78.802,
128.976


 80, 78.802,
128.976

 40, 78.802,
128.976

 90, 78.802,
128.976

 30, 78.802,
128.976

 20, 78.802,
128.976

 10, 78.802,
128.976

 0, 78.802, 128.976

 60, 78.802,

 60, 78.802,

128.976

■ 60, 79.205,
129.071

128.976

■ 60, 75.219,
128.125

■ 61, 70.052,
127.653

■ 61, 63.311,
127.578

■ 62, 55.392,
127.777

■ 63, 46.673,
128.140

■ 64, 37.447,
128.586

■ 64, 27.924,
129.062

■ 65, 18.251,
129.536

Harmonies

Complementary

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



60, 78.802, 128.976



26, 88.372, 312.922

Rectangle

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



60, 78.802, 128.976



60, 78.802, 178.976



60, 78.802, 308.976



60, 78.802, 358.976

Sweetspot

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



60, 78.802, 128.977



82, 36.131, 128.977



46, 59.871, 64.015



43, 24.567, 128.786



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



60, 78.802, 128.977



77, 96.929, 129.374



59, 85.135, 136.378



34, 5.461, 129.973



54, 72.380, 128.907



4, 8.595, 131.835

Inverse Universe

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



26, 88.372, 312.922



35, 108.636, 312.662



39, 80.704, 329.566



32, 5.529, 310.733



23, 81.280, 312.988



1, 8.413, 308.592

Previews

White Background



This preview shows how the CIELCh color 60, 78.802, 128.976 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 60, 78.802, 128.976 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 60, 78.802, 128.976

Background



This preview shows how black text looks on a background with the CIELCh color 60, 78.802, 128.976.



This preview shows how white text looks on a background with the CIELCh color 60, 78.802, 128.976.

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
60, 78.802, 128.976

Protanopia
60, 63.921, 95.236

Deuteranopia
59, 57.447, 82.049



Tritanopia
60, 18.499, 221.608

Trichromacy



Original Color
60, 78.802, 128.976

Protanomaly
59, 66.173, 110.789

Deuteranomaly
58, 60.078, 104.599

Tritanomaly
59, 37.417, 147.842

Monochromacy



Original Color
60, 78.802, 128.976

Achromatopsia
50, 0.007, 296.813

Achromatomaly
53, 35.752, 127.990

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 78.802, 128.976 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(77, 164, 2)` looks like.

```
.text, #text, p{  
    color:rgb(77, 164, 2)  
}
```

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(77, 164, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 164, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 78.802, 128.976 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(77, 164, 2) }
```

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

```
.border{ border-color:rgb(77, 164, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 164, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 164, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 164, 2);  
box-shadow:4px 4px 4px 4px rgb(77, 164, 2)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 60, 78.802, 128.976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 164, 2) }
```

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

```
.background{ background-color: rgb(77, 164,  
2) }
```

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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