

Converting Colors

CIELCh(56, 78.684, 132.353)

Have a look what the booklet for
CIELCh(56, 78.684, 132.353)
contains.

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Color

CIELCh(56, 78.420, 132.353)

Conversions

Conversions Part 1

Format	Color
Hex	339A01
RGB	51, 154, 1
RGB Percent	20%, 60%, 0%
CMY	0.7987, 0.3950, 0.9979
CMYK	0.67, 0.00, 1.00, 0.40
HSL	100°, 99%, 30%
HSV	100°, 100%, 60%
XYZ	12.9846, 23.9124, 3.9459
YIQ	105.7610, -12.2750, -69.4190

Conversions

Conversions Part 2

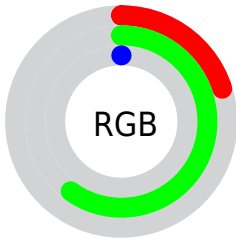
Format	Color
RYB	1, 154, 104
Decimal	3381761
CIELab	56.00, -52.83, 57.95
CIElCh	56, 78.420, 132.353
Yxy	23.9124, 0.3179, 0.5855
Android (android.graphics.Color)	4281571841 (0xFF339A01)
YUV	105.7610, -51.6472, -48.0254
Hunter-Lab	48.9003, -38.1781, 29.4459

Details

The CIELCh color **56, 78.420, 132.353** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **27, 82.562, 316.571**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **76, 78.040, 132.540**, and **37, 60.699, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **56, 78.534, 132.368**, and if you desaturate by 10%, it is **56, 74.885, 131.791**.

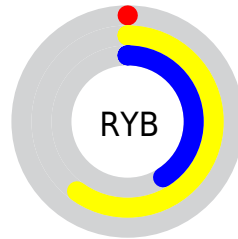
Distribution



Red (20%)

Green (60%)

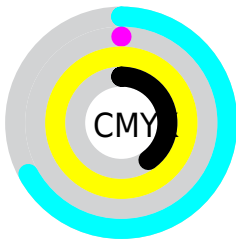
Blue (0%)



Red (0%)

Yellow (60%)

Blue (41%)

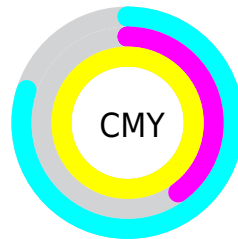


Cyan (67%)

Magenta (0%)

Yellow (100%)

Black (40%)



Cyan (80%)


Magenta (40%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 78.420, 132.353 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 56, 78.420, 132.353 by changing the saturation by 10% instead.


 56, 78.420,
132.353


 56, 78.420,
132.353


 100, 78.420,
132.353


 46, 78.420,
132.353


 76, 78.420,
132.353

 36, 78.420,
132.353

 86, 78.420,
132.353

 26, 78.420,
132.353

 96, 78.420,
132.353

 16, 78.420,
132.353

 6, 78.420, 132.353

 0, 78.420, 132.353

■ 56, 78.420,
132.353

■ 56, 78.420,
132.353

■ 56, 78.534,
132.368

■ 56, 74.885,
131.791

■ 57, 69.878,
131.506

■ 57, 63.293,
131.586

■ 58, 55.517,
131.912

■ 59, 46.923,
132.372

■ 59, 37.807,
132.888

■ 60, 28.387,
133.409

■ 61, 18.821,

133.908

■ 63, 9.221, 134.375

Harmonies

Complementary

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



56, 78.420, 132.353



27, 82.562, 316.571

Rectangle

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



56, 78.420, 132.353



56, 78.420, 182.353



56, 78.420, 312.353



56, 78.420, 2.353

Sweetspot

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



56, 78.420, 132.354



77, 35.679, 133.361



48, 56.616, 76.144



40, 24.506, 133.157



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



56, 78.420, 132.354



72, 96.013, 132.639



55, 78.100, 138.159



32, 5.358, 134.394



51, 73.156, 132.252



3, 5.794, 134.938

Inverse Universe

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



27, 82.562, 316.571



37, 100.886, 316.359



35, 69.799, 336.037



30, 5.404, 315.117



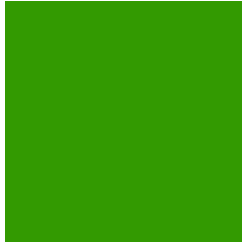
25, 77.086, 316.639



1, 5.769, 314.395

Previews

White Background



This preview shows how the CIELCh color 56, 78.420, 132.353 looks on a white background.

Color Contrast Check

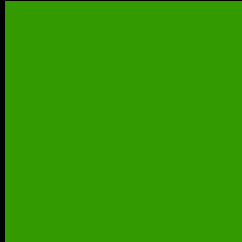
Large Text (above 18pt) WCAG AA ✓ Pass

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 56, 78.420, 132.353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

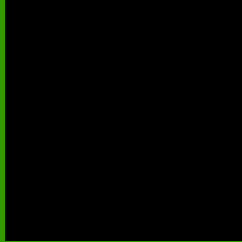
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 78.420, 132.353

Background



This preview shows how black text looks on a background with the CIELCh color 56, 78.420, 132.353.



This preview shows how white text looks on a background with the CIELCh color 56, 78.420, 132.353.

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

56, 78.286, 132.416

Protanopia

56, 60.605, 95.621

Deuteranopia

56, 53.769, 82.479



Tritanopia
56, 21.118, 216.835

Trichromacy



Original Color
56, 78.286, 132.416



Protanomaly
55, 63.803, 114.009



Deuteranomaly
54, 57.348, 108.425



Tritanomaly
55, 39.682, 152.482

Monochromacy



Original Color
56, 78.286, 132.416



Achromatopsia
45, 0.006, 296.813



Achromatomaly
48, 35.981, 132.923

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 78.420, 132.353 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(51, 154, 1)` looks like.

```
.text, #text, p{  
    color:rgb(51, 154, 1)  
}
```

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(51, 154, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 154, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 78.420, 132.353 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(51, 154, 1) }
```

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

```
.border{ border-color:rgb(51, 154, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 154, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 154, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 154, 1);  
box-shadow:4px 4px 4px 4px rgb(51, 154, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 56, 78.420, 132.353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 154, 1) }
```

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

```
.background{ background-color: rgb(51, 154,  
1) }
```

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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