

Converting Colors

CIELCh(60, 44.996, 128.006)

Have a look what the booklet for
CIELCh(60, 44.996, 128.006)
contains.

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Color

CIELCh(60, 44.778, 128.236)

Conversions

Conversions Part 1

Format	Color
Hex	739C50
RGB	115, 156, 80
RGB Percent	45%, 61%, 31%
CMY	0.5479, 0.3871, 0.6852
CMYK	0.26, 0.00, 0.49, 0.39
HSL	92°, 32%, 46%
HSV	92°, 49%, 61%
XYZ	20.5041, 28.1233, 11.9900
YIQ	135.0770, -0.0400, -32.3280

Conversions

Conversions Part 2

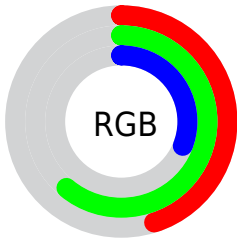
Format	Color
R_{YB}	80, 156, 121
Decimal	7576656
CIE _{Lab}	60.00, -27.71, 35.17
CIE _{LCh}	60, 44.778, 128.236
Yxy	28.1233, 0.3383, 0.4639
Android (android.graphics.Color)	4285766736 (0xFF739C50)
YUV	135.0770, -27.1530, -17.6075
Hunter-Lab	53.0314, -23.7897, 23.7170

Details

The CIELCh color $60, 44.778, 128.236$ is a dark color, and the websafe version is hex 669933 . A complement of this color would be $42, 47.686, 312.709$, and the grayscale version is $57, 0.007, 296.813$.

A 20% lighter version of the original color is $80, 44.786, 128.176$, and $40, 44.410, 128.222$ is the 20% darker color. If you saturate the color by 10%, you get $59, 53.192, 127.871$, and if you desaturate by 10%, it is $61, 35.889, 128.683$.

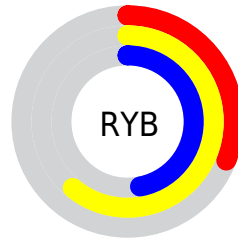
Distribution



Red (45%)

Green (61%)

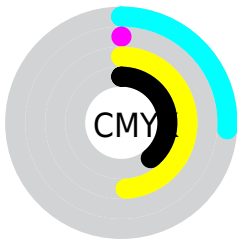
Blue (31%)



Red (31%)

Yellow (61%)

Blue (47%)

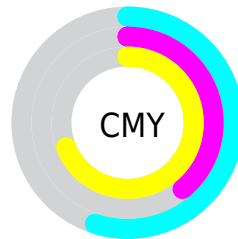


Cyan (26%)

Magenta (0%)

Yellow (49%)

Black (39%)



Cyan (55%)

Magenta (39%)

Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 44.778, 128.236 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, 44.778, 128.236 by changing the saturation by 10% instead.

 60, 44.778,
128.236

 60, 44.778,
128.236


 100, 44.778,
128.236

 50, 44.778,
128.236

 80, 44.778,
128.236

 40, 44.778,
128.236

 90, 44.778,
128.236

 30, 44.778,
128.236

 20, 44.778,
128.236

 10, 44.778,
128.236

 0, 44.778, 128.236

 60, 44.778,

 60, 44.778,

128.236

■ 59, 53.192,
127.871

■ 59, 60.851,
127.662

■ 58, 67.399,
127.720

■ 58, 72.453,
128.166

■ 57, 76.008,
128.981

■ 57, 76.466,
129.081

128.236

■ 61, 35.889,
128.683

■ 62, 26.719,
129.158

■ 63, 17.409,
129.630

■ 64, 8.055, 130.086

■ 65, 1.273, 310.403

■ 66, 10.527,
310.859

■ 67, 19.670,
311.209

■ 68, 28.679,
311.519

■ 70, 37.536,
311.795

Harmonies

Complementary

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



60, 44.778, 128.236



42, 47.686, 312.709

Rectangle

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



60, 44.778, 128.236



60, 44.778, 178.236



60, 44.778, 308.236



60, 44.778, 358.236

Sweetspot

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



60, 44.779, 128.237



80, 17.399, 129.785



53, 28.768, 72.756



42, 11.846, 129.695



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



60, 44.779, 128.237



76, 65.300, 127.856



58, 50.200, 141.468



33, 5.322, 130.058



53, 71.487, 128.955



4, 7.006, 131.245

Inverse Universe

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



42, 47.686, 312.709



49, 70.559, 313.163



46, 49.953, 327.912



31, 5.387, 310.813



22, 80.186, 313.064



1, 6.925, 309.471

Previews

White Background



This preview shows how the CIELCh color 60, 44.778, 128.236 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, 44.778, 128.236 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, 44.778, 128.236

Background



This preview shows how black text looks on a background with the CIELCh color 60, 44.778, 128.236.



This preview shows how white text looks on a background with the CIELCh color 60, 44.778, 128.236.

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, 44.778, 128.236

Protanopia
60, 38.010, 95.555

Deuteranopia
60, 34.385, 77.574



Tritanopia
60, 9.757, 243.168

Trichromacy



Original Color
60, 44.778, 128.236

Protanomaly
59, 38.285, 109.100

Deuteranomaly
60, 34.391, 100.259

Tritanomaly
60, 15.522, 151.442

Monochromacy



Original Color
60, 44.778, 128.236

Achromatopsia
56, 0.007, 296.813

Achromatomaly
58, 16.990, 129.464

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 44.778, 128.236 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(115, 156, 80)` looks like.

```
.text, #text, p{  
    color:rgb(115, 156, 80)  
}
```

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(115, 156, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 156, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 44.778, 128.236 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(115, 156, 80) }
```

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

```
.border{ border-color:rgb(115, 156, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 156, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 156, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 156, 80);  
box-shadow:4px 4px 4px 4px rgb(115, 156,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 44.778, 128.236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 156, 80) }
```

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

```
.background{ background-color: rgb(115,  
156, 80) }
```

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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