

Converting Colors

CIELCh(47, 27.590, 127.983)

Have a look what the booklet for
CIELCh(47, 27.590, 127.983)
contains.

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Color

CIELCh(47, 27.265, 127.405)

Conversions

Conversions Part 1

Format	Color
Hex	60764A
RGB	96, 118, 74
RGB Percent	38%, 46%, 29%
CMY	0.6225, 0.5362, 0.7088
CMYK	0.19, 0.00, 0.37, 0.54
HSL	90°, 23%, 38%
HSV	90°, 37%, 46%
XYZ	12.6066, 16.0195, 8.9509
YIQ	106.4060, 1.0120, -18.3480

Conversions

Conversions Part 2

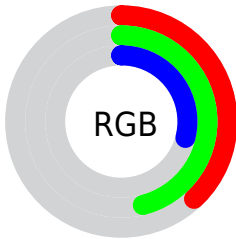
Format	Color
RYB	74, 118, 96
Decimal	6321738
CIELab	47.00, -16.56, 21.66
CIElCh	47, 27.265, 127.405
Yxy	16.0195, 0.3355, 0.4263
Android (android.graphics.Color)	4284511818 (0xFF60764A)
YUV	106.4060, -15.9762, -9.1261
Hunter-Lab	40.0243, -13.8199, 14.7577

Details

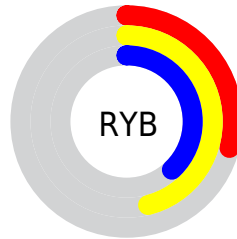
The CIELCh color $47, 27.265, 127.405$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $35, 28.677, 310.824$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 27.278, 127.428$, and $27, 27.631, 127.960$ is the 20% darker color. If you saturate the color by 10%, you get $46, 34.326, 126.966$, and if you desaturate by 10%, it is $48, 20.017, 127.870$.

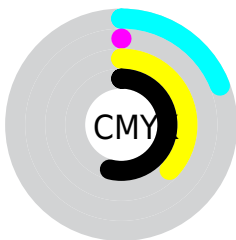
Distribution



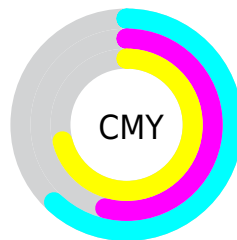
- Red (38%)
- Green (46%)
- Blue (29%)



- Red (29%)
- Yellow (46%)
- Blue (38%)



- Cyan (19%)
- Magenta (0%)
- Yellow (37%)
- Black (54%)



- Cyan (62%)
- Magenta (54%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 27.265, 127.405 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 47, 27.265, 127.405 by changing the saturation by 10% instead.

 47, 27.265,
127.405


 47, 27.265,
127.405

 100, 27.265,
127.405


 37, 27.265,
127.405

 67, 27.265,
127.405


 27, 27.265,
127.405

 77, 27.265,
127.405

 17, 27.265,
127.405

 87, 27.265,
127.405

 7, 27.265, 127.405

 97, 27.265,
127.405

 0, 27.265, 127.405

 47, 27.265,

 47, 27.265,

127.405

127.405

■ 46, 34.326,
126.966

■ 48, 20.017,
127.870

■ 46, 41.063,
126.592

■ 48, 12.674,
128.332

■ 45, 47.287,
126.350

■ 49, 5.304, 128.781

■ 45, 52.747,
126.330

■ 50, 2.047, 309.139

■ 51, 9.344, 309.550

■ 45, 57.153,
126.645

■ 52, 16.563,
309.901

■ 44, 60.517,
127.263

■ 53, 23.685,
310.216

■ 44, 61.446,
127.397

■ 54, 30.698,
310.499

■ 55, 37.595,

Harmonies

Complementary

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



47, 27.265, 127.405



35, 28.677, 310.824

Rectangle

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



47, 27.265, 127.405



47, 27.265, 177.405



47, 27.265, 307.405



47, 27.265, 357.405

Sweetspot

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



47, 27.266, 127.406



62, 9.991, 128.600



42, 16.726, 69.274



32, 6.674, 128.555



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



47, 27.266, 127.406



59, 40.435, 127.013



46, 31.517, 141.470



24, 4.110, 128.700



46, 63.011, 127.457



88, 107.755, 128.349

Inverse Universe

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



35, 28.677, 310.824



42, 43.112, 311.285



38, 31.519, 325.865



23, 4.163, 309.438



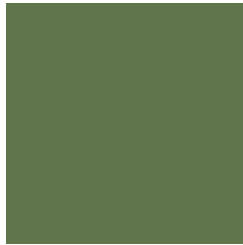
18, 72.214, 312.298



40, 123.137, 311.685

Previews

White Background



This preview shows how the CIELCh color 47, 27.265, 127.405 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 CIE LCh color 47, 27.265, 127.405 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 47, 27.265, 127.405

Background



This preview shows how black text looks on a background with the CIELCh color 47, 27.265, 127.405.



This preview shows how white text looks on a background with the CIELCh color 47, 27.265, 127.405.

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
47, 27.265, 127.405

Protanopia
47, 23.803, 95.741

Deuteranopia
47, 21.380, 72.155



Tritanopia
47, 6.033, 251.027

Trichromacy



Original Color
47, 27.265, 127.405

Protanomaly
47, 24.373, 108.938

Deuteranomaly
47, 20.468, 94.500

Tritanomaly
47, 8.708, 150.284

Monochromacy



Original Color
47, 27.265, 127.405

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 10.069, 128.465

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 27.265, 127.405 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(96, 118, 74)` looks like.

```
.text, #text, p{  
    color:rgb(96, 118, 74)  
}
```

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(96, 118, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 118, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 27.265, 127.405 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(96, 118, 74) }
```

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

```
.border{ border-color:rgb(96, 118, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 118, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 118, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 118, 74);  
box-shadow:4px 4px 4px 4px rgb(96, 118,  
74) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 27.265, 127.405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 118, 74) }
```

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

```
.background{ background-color: rgb(96, 118,  
74) }
```

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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