

Converting Colors

CIELCh(47, 25.299, 157.750)

Have a look what the booklet for
CIELCh(47, 25.299, 157.750)
contains.

CIELCh(47, 25.305, 157.790)	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(47, 25.305, 157.790)

Conversions

Conversions Part 1

Format	Color
Hex	487A5F
RGB	72, 122, 95
RGB Percent	28%, 48%, 37%
CMY	0.7190, 0.5229, 0.6287
CMYK	0.41, 0.00, 0.22, 0.52
HSL	148°, 26%, 38%
HSV	148°, 41%, 48%
XYZ	11.6154, 16.0195, 13.2283
YIQ	103.9720, -21.1330, -18.9970

Conversions

Conversions Part 2

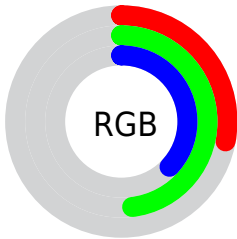
Format	Color
R_{YB}	72, 106, 122
Decimal	4749919
CIE _{Lab}	47.00, -23.43, 9.57
CIE _{LCh}	47, 25.305, 157.790
Yxy	16.0195, 0.2843, 0.3920
Android (android.graphics.Color)	4282939999 (0xFF487A5F)
YUV	103.9720, -4.4232, -28.0394
Hunter-Lab	40.0243, -18.2401, 8.4213

Details

The CIELCh color $47, 25.305, 157.790$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $37, 26.263, 345.258$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 25.599, 157.151$, and $27, 25.376, 158.022$ is the 20% darker color. If you saturate the color by 10%, you get $46, 31.027, 156.555$, and if you desaturate by 10%, it is $48, 19.319, 158.883$.

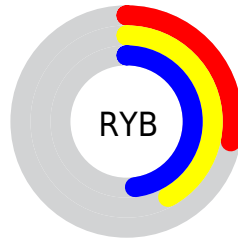
Distribution



Red (28%)

Green (48%)

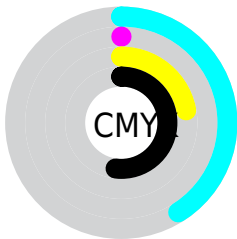
Blue (37%)



Red (28%)

Yellow (42%)

Blue (48%)

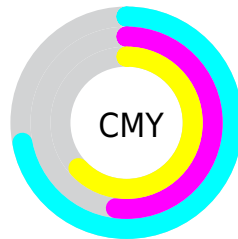


Cyan (41%)

Magenta (0%)

Yellow (22%)

Black (52%)



Cyan (72%)


Magenta (52%)

Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 25.305, 157.790 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, 25.305, 157.790 by changing the saturation by 10% instead.


 47, 25.305,
157.790


 47, 25.305,
157.790


 100, 25.305,
157.790


 37, 25.305,
157.790

 67, 25.305,
157.790


 27, 25.305,
157.790

 77, 25.305,
157.790

 17, 25.305,
157.790

 87, 25.305,
157.790

 7, 25.305, 157.790

 97, 25.305,
157.790

 0, 25.305, 157.790

 47, 25.305,

 47, 25.305,

157.790

157.790

■ 46, 31.027,
156.555

■ 48, 19.319,
158.883

■ 46, 36.383,
155.158

■ 49, 13.163,
159.859

■ 45, 41.285,
153.580

■ 50, 6.924, 160.745

■ 45, 45.664,
151.810

■ 51, 0.675, 161.890

■ 52, 5.525, 342.146

■ 45, 49.486,
149.851

■ 54, 11.631,
342.819

■ 44, 52.597,
148.127

■ 55, 17.612,
343.423

■ 56, 23.446,
343.978

■ 58, 29.120,

Harmonies

Complementary

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



47, 25.305, 157.790



37, 26.263, 345.258

Rectangle

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



47, 25.305, 157.790



47, 25.305, 207.790



47, 25.305, 337.790



47, 25.305, 27.790

Sweetspot

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



47, 25.306, 157.789



63, 9.285, 160.642



48, 30.341, 125.406



33, 6.125, 160.558



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



47, 25.306, 157.789



59, 36.928, 156.672



48, 17.894, 192.722



25, 3.532, 160.918



46, 53.692, 148.059



88, 92.895, 146.761

Inverse Universe

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



37, 26.263, 345.258



45, 38.475, 346.351



36, 22.996, 19.472



24, 3.568, 342.216



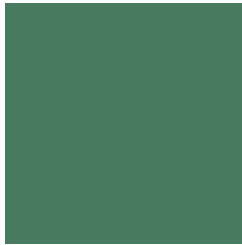
26, 50.633, 356.897



55, 84.645, 359.094

Previews

White Background



This preview shows how the CIELCh color 47, 25.305, 157.790 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, 25.305, 157.790 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, 25.305, 157.790

Background



This preview shows how black text looks on a background with the CIELCh color 47, 25.305, 157.790.



This preview shows how white text looks on a background with the CIELCh color 47, 25.305, 157.790.

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, 25.305, 157.790

Protanopia

47, 13.304, 94.992

Deuteranopia

47, 9.837, 52.664



Tritanopia
47, 14.431, 222.527

Trichromacy



Original Color
47, 25.305, 157.790

Protanomaly
47, 15.336, 131.056

Deuteranomaly
46, 9.221, 124.881

Tritanomaly
47, 16.033, 189.099

Monochromacy



Original Color
47, 25.305, 157.790

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 9.133, 162.347

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 25.305, 157.790 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(72, 122, 95)` looks like.

```
.text, #text, p{  
    color:rgb(72, 122, 95)  
}
```

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(72, 122, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 122, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 25.305, 157.790 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(72, 122, 95) }
```

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

```
.border{ border-color:rgb(72, 122, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 122, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 122, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 122, 95);  
box-shadow:4px 4px 4px 4px rgb(72, 122,  
95) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 25.305, 157.790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 122, 95) }
```

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

```
.background{ background-color: rgb(72, 122,  
95) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor