

Converting Colors

CIELCh(47, 41.996, 140.346)

Have a look what the booklet for
CIELCh(47, 41.996, 140.346)
contains.

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Color

CIELCh(47, 41.904, 140.061)

Conversions

Conversions Part 1

Format	Color
Hex	427C40
RGB	66, 124, 64
RGB Percent	26%, 49%, 25%
CMY	0.7402, 0.5127, 0.7481
CMYK	0.47, 0.00, 0.48, 0.51
HSL	118°, 32%, 37%
HSV	118°, 48%, 49%
XYZ	10.4358, 16.0195, 7.4276
YIQ	99.8180, -15.3080, -30.9560

Conversions

Conversions Part 2

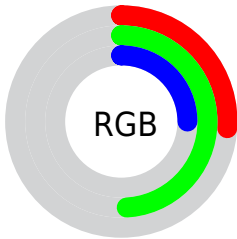
Format	Color
R_{YB}	64, 124, 122
Decimal	4357184
CIE _{Lab}	47.00, -32.13, 26.90
CIE _{LCh}	47, 41.904, 140.061
Yxy	16.0195, 0.3080, 0.4728
Android (android.graphics.Color)	4282547264 (0xFF427C40)
YUV	99.8180, -17.6583, -29.6584
Hunter-Lab	40.0243, -23.5012, 17.0142

Details

The CIELCh color **47, 41.904, 140.061** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **37, 41.865, 325.869**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 41.760, 140.005**, and **27, 41.818, 139.988** is the 20% darker color. If you saturate the color by 10%, you get **46, 49.681, 139.082**, and if you desaturate by 10%, it is **48, 33.572, 140.971**.

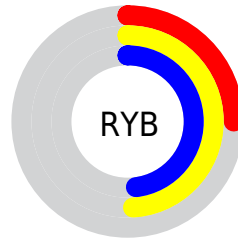
Distribution



Red (26%)

Green (49%)

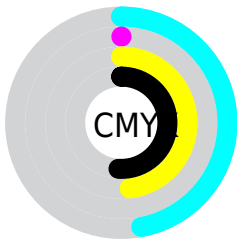
Blue (25%)



Red (25%)

Yellow (49%)

Blue (48%)

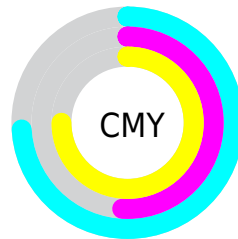


Cyan (47%)

Magenta (0%)

Yellow (48%)

Black (51%)



Cyan (74%)


Magenta (51%)


Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 41.904, 140.061 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, 41.904, 140.061 by changing the saturation by 10% instead.


 47, 41.904,
140.061


 47, 41.904,
140.061


 100, 41.904,
140.061


 37, 41.904,
140.061

 67, 41.904,
140.061


 27, 41.904,
140.061

 77, 41.904,
140.061

 17, 41.904,
140.061

 87, 41.904,
140.061

 7, 41.904, 140.061

 97, 41.904,
140.061

 0, 41.904, 140.061

 47, 41.904,

 47, 41.904,

140.061

140.061

■ 46, 49.681,
139.082

■ 48, 33.572,
140.971

■ 46, 56.624,
138.088

■ 49, 24.909,
141.786

■ 45, 62.410,
137.173

■ 50, 16.094,
142.500

■ 45, 66.711,
136.461

■ 51, 7.264, 143.126

■ 45, 69.634,
135.904

■ 52, 1.479, 323.507

■ 45, 70.117,
135.792

■ 54, 10.064,
324.057

■ 55, 18.442,
324.446

■ 57, 26.585,
324.773

■ 59, 34.478,
325.052

Harmonies

Complementary

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



47, 41.904, 140.061



37, 41.865, 325.869

Rectangle

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



47, 41.904, 140.061



47, 41.904, 190.061



47, 41.904, 320.061



47, 41.904, 10.061

Sweetspot

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



47, 41.905, 140.061



64, 15.164, 142.758



50, 32.364, 103.440



33, 10.559, 142.642



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



47, 41.905, 140.061



59, 60.832, 138.976



47, 30.234, 156.411



25, 4.869, 143.082



45, 70.399, 135.794



87, 118.715, 135.922

Inverse Universe

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



37, 41.865, 325.869



44, 60.512, 326.290



36, 31.400, 345.540



24, 4.879, 323.976



28, 68.237, 326.952



58, 114.878, 326.884

Previews

White Background



This preview shows how the CIELCh color 47, 41.904, 140.061 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 CIELCh color 47, 41.904, 140.061 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, 41.904, 140.061

Background



This preview shows how black text looks on a background with the CIELCh color 47, 41.904, 140.061.



This preview shows how white text looks on a background with the CIELCh color 47, 41.904, 140.061.

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, 41.904, 140.061

Protanopia
47, 29.938, 96.072

Deuteranopia
47, 25.680, 76.306



Tritanopia
47, 14.431, 222.527

Trichromacy



Original Color
47, 41.904, 140.061

Protanomaly
47, 31.592, 117.560

Deuteranomaly
46, 26.688, 110.393

Tritanomaly
47, 20.072, 169.001

Monochromacy



Original Color
47, 41.904, 140.061

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 15.880, 142.091

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 41.904, 140.061 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(66, 124, 64)` looks like.

```
.text, #text, p{  
    color:rgb(66, 124, 64)  
}
```

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(66, 124, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 124, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 41.904, 140.061 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(66, 124, 64) }
```

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

```
.border{ border-color:rgb(66, 124, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 124, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 124, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 124, 64);  
box-shadow:4px 4px 4px 4px rgb(66, 124,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 41.904, 140.061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 124, 64) }
```

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

```
.background{ background-color: rgb(66, 124,  
64) }
```

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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