

Converting Colors

CIELCh(47, 33.609, 256.375)

Have a look what the booklet for
CIELCh(47, 33.609, 256.375)
contains.

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Color

CIELCh(47, 33.690, 256.518)

Conversions

Conversions Part 1

Format	Color
Hex	1F76A6
RGB	31, 118, 166
RGB Percent	12%, 46%, 65%
CMY	0.8779, 0.5370, 0.3488
CMYK	0.81, 0.29, 0.00, 0.35
HSL	201°, 68%, 39%
HSV	201°, 81%, 65%
XYZ	13.9426, 16.0195, 38.4641
YIQ	97.4590, -67.2600, -3.5160

Conversions

Conversions Part 2

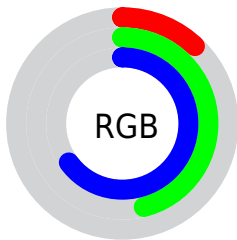
Format	Color
R_{YB}	31, 84, 166
Decimal	2061990
CIE _{Lab}	47.00, -7.85, -32.76
CIE _{LCh}	47, 33.690, 256.518
Yxy	16.0195, 0.2038, 0.2341
Android (android.graphics.Color)	4280252070 (0xFF1F76A6)
YUV	97.4590, 33.7907, -58.2845
Hunter-Lab	40.0243, -7.8613, -28.9617

Details

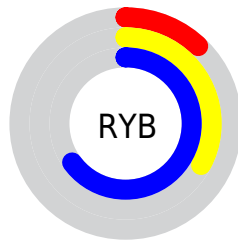
The CIELCh color **47, 33.690, 256.518** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **44, 54.155, 52.777**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 33.604, 256.155**, and **28, 30.633, 267.955** is the 20% darker color. If you saturate the color by 10%, you get **45, 36.512, 261.099**, and if you desaturate by 10%, it is **49, 30.652, 252.538**.

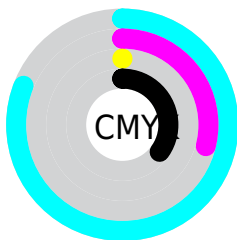
Distribution



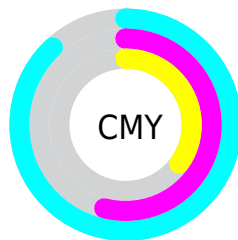
- Red (12%)
- Green (46%)
- Blue (65%)



- Red (12%)
- Yellow (33%)
- Blue (65%)



- Cyan (81%)
- Magenta (29%)
- Yellow (0%)
- Black (35%)





- Cyan (88%)
- Magenta (54%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 33.690, 256.518 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, 33.690, 256.518 by changing the saturation by 10% instead.


 47, 33.690,
256.518


 47, 33.690,
256.518


 100, 33.690,
256.518


 37, 33.690,
256.518

 67, 33.690,
256.518


 27, 33.690,
256.518

 77, 33.690,
256.518

 17, 33.690,
256.518

 87, 33.690,
256.518

 7, 33.690, 256.518

 97, 33.690,
256.518

 0, 33.690, 256.518

 47, 33.690,

 47, 33.690,

256.518

■ 45, 36.512,
261.099

■ 43, 38.967,
265.317

256.518

■ 49, 30.652,
252.538

■ 52, 27.309,
249.181

■ 54, 23.618,
246.406

■ 57, 19.579,
244.139

■ 59, 15.218,
242.302

■ 62, 10.579,
240.819

■ 65, 5.708, 239.640

■ 68, 0.652, 239.215

Harmonies

Complementary

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



47, 33.690, 256.518



44, 54.155, 52.777

Rectangle

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



47, 33.690, 256.518



47, 33.690, 306.518



47, 33.690, 76.518



47, 33.690, 126.518

Sweetspot

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



47, 33.689, 256.519



78, 14.737, 241.257



60, 64.519, 146.632



40, 10.129, 241.765



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



47, 33.689, 256.519



56, 47.404, 265.368



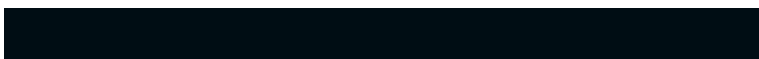
28, 72.595, 299.200



34, 2.910, 239.445



39, 35.565, 264.777



3, 5.534, 247.896

Inverse Universe

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



39, 61.817, 345.032



48, 78.775, 349.000



61, 58.335, 94.231



33, 5.007, 337.251



32, 59.707, 348.702



2, 8.572, 340.228

Previews

White Background



This preview shows how the CIE LCh color 47, 33.690, 256.518 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, 33.690, 256.518 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, 33.690, 256.518

Background



This preview shows how black text looks on a background with the CIELCh color 47, 33.690, 256.518.



This preview shows how white text looks on a background with the CIELCh color 47, 33.690, 256.518.

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





Tritanopia
47, 28.189, 208.950

Trichromacy



Original Color
47, 33.690, 256.518

Protanomaly
46, 31.219, 272.048

Deuteranomaly
47, 33.851, 271.167

Tritanomaly
47, 28.103, 227.963

Monochromacy



Original Color
47, 33.690, 256.518

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 14.983, 245.250

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 33.690, 256.518 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(31, 118, 166)` looks like.

```
.text, #text, p{  
    color:rgb(31, 118, 166)  
}
```

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(31, 118, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 118, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 33.690, 256.518 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(31, 118, 166) }
```

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

```
.border{ border-color:rgb(31, 118, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 118, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 118, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 118, 166);  
box-shadow:4px 4px 4px 4px rgb(31, 118,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 33.690, 256.518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 118, 166) }
```

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

```
.background{ background-color: rgb(31, 118,  
166) }
```

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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