

Converting Colors

CIELCh(47, 30.511, 256.308)

Have a look what the booklet for
CIELCh(47, 30.511, 256.308)
contains.

CIELCh(47, 30.737, 257.084)	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, 30.737, 257.084)

Conversions

Conversions Part 1

Format	Color
Hex	3075A1
RGB	48, 117, 161
RGB Percent	19%, 46%, 63%
CMY	0.8101, 0.5399, 0.3673
CMYK	0.70, 0.27, 0.00, 0.37
HSL	203°, 54%, 41%
HSV	203°, 70%, 63%
XYZ	14.0993, 16.0195, 36.2220
YIQ	101.3850, -55.2480, -0.9440

Conversions

Conversions Part 2

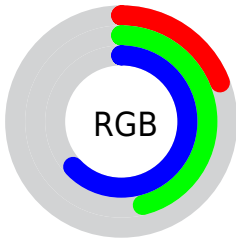
Format	Color
R_{YB}	48, 91, 161
Decimal	3175841
CIE Lab	47.00, -6.87, -29.96
CIE LCh	47, 30.737, 257.084
Yxy	16.0195, 0.2125, 0.2415
Android (android.graphics.Color)	4281365921 (0xFF3075A1)
YUV	101.3850, 29.3902, -46.8186
Hunter-Lab	40.0243, -7.1625, -25.6404

Details

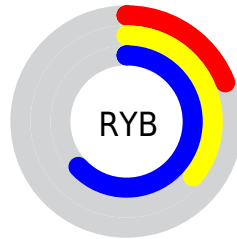
The CIELCh color `47, 30.737, 257.084` is a dark color, and the websafe version is hex `006699`. A complement of this color would be `46, 44.059, 56.517`, and the grayscale version is `43, 0.006, 296.813`.

A 20% lighter version of the original color is `67, 30.656, 257.170`, and `28, 28.560, 264.814` is the 20% darker color. If you saturate the color by 10%, you get `45, 34.138, 261.058`, and if you desaturate by 10%, it is `50, 27.100, 253.699`.

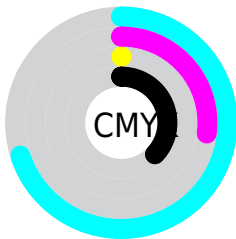
Distribution



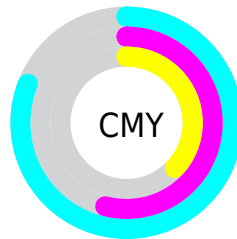
- Red (19%)
- Green (46%)
- Blue (63%)



- Red (19%)
- Yellow (36%)
- Blue (63%)



- Cyan (70%)
- Magenta (27%)
- Yellow (0%)
- Black (37%)



- Cyan (81%)
- Magenta (54%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 30.737, 257.084 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, 30.737, 257.084 by changing the saturation by 10% instead.


 47, 30.737,
257.084

 47, 30.737,
257.084


 100, 30.737,
257.084

 37, 30.737,
257.084

 67, 30.737,
257.084


 27, 30.737,
257.084

 77, 30.737,
257.084

 17, 30.737,
257.084

 87, 30.737,
257.084

 7, 30.737, 257.084

 97, 30.737,
257.084

 0, 30.737, 257.084

 47, 30.737,

 47, 30.737,

257.084

257.084

■ 45, 34.138,
261.058

■ 50, 27.100,
253.699

■ 42, 37.392,
265.587

■ 52, 23.189,
250.872

■ 40, 40.668,
270.348

■ 55, 18.997,
248.538

■ 40, 40.674,
270.356

■ 58, 14.546,
246.625

■ 60, 9.870, 245.063

■ 63, 5.007, 243.807

■ 66, 0.008, 2.665

■ 69, 5.126, 61.702

■ 72, 10.330, 61.001

Harmonies

Complementary

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



47, 30.737, 257.084



46, 44.059, 56.517

Rectangle

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



47, 30.737, 257.084



47, 30.737, 307.084



47, 30.737, 77.084



47, 30.737, 127.084

Sweetspot

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



47, 30.736, 257.085



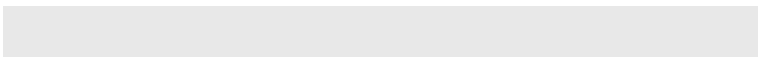
76, 12.781, 245.264



59, 54.674, 150.026



39, 8.595, 245.646



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



47, 30.736, 257.085



56, 43.609, 263.523



31, 62.694, 297.472



33, 2.867, 243.730



36, 37.429, 269.866



3, 4.631, 249.400

Inverse Universe

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



40, 54.556, 345.243



48, 73.400, 348.129



61, 52.486, 97.583



32, 4.764, 338.802



31, 57.954, 351.411



1, 7.061, 340.865

Previews

White Background



This preview shows how the CIELCh color 47, 30.737, 257.084 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, 30.737, 257.084 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

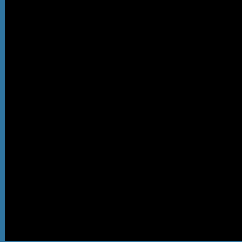
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 30.737, 257.084

Background



This preview shows how black text looks on a background with the CIELCh color 47, 30.737, 257.084.



This preview shows how white text looks on a background with the CIELCh color 47, 30.737, 257.084.

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, 30.737, 257.084

Protanopia
47, 27.394, 285.482

Deuteranopia
47, 31.744, 282.445



Tritanopia
47, 26.281, 210.029

Trichromacy



Original Color
47, 30.737, 257.084

Protanomaly
47, 28.024, 272.411

Deuteranomaly
47, 30.584, 271.812

Tritanomaly
47, 25.872, 227.925

Monochromacy



Original Color
47, 30.737, 257.084

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 12.878, 247.080

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 30.737, 257.084 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(48, 117, 161)` looks like.

```
.text, #text, p{  
    color:rgb(48, 117, 161)  
}
```

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(48, 117, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 117, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 30.737, 257.084 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(48, 117, 161) }
```

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

```
.border{ border-color:rgb(48, 117, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 117, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 117, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 117, 161);  
box-shadow:4px 4px 4px 4px rgb(48, 117,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 30.737, 257.084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 117, 161) }
```

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

```
.background{ background-color: rgb(48, 117,  
161) }
```

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