

Converting Colors

CIELCh(47, 66.592, 286.857)

Have a look what the booklet for
CIELCh(47, 66.592, 286.857)
contains.

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Color

CIELCh(47, 66.922, 287.082)

Conversions

Conversions Part 1

Format	Color
Hex	1F6BDC
RGB	31, 107, 220
RGB Percent	12%, 42%, 86%
CMY	0.8801, 0.5796, 0.1364
CMYK	0.86, 0.51, 0.00, 0.14
HSL	216°, 76%, 49%
HSV	216°, 86%, 86%
XYZ	18.7778, 16.0195, 69.9714
YIQ	97.1580, -81.5690, 19.0310

Conversions

Conversions Part 2

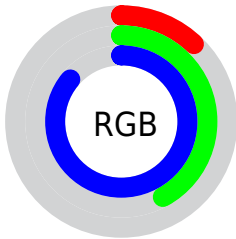
Format	Color
R _Y B	31, 85, 220
Decimal	2059228
CIE Lab	47.00, 19.66, -63.97
CIE LCh	47, 66.922, 287.082
Yxy	16.0195, 0.1792, 0.1529
Android (android.graphics.Color)	4280249308 (0xFF1F6BDC)
YUV	97.1580, 60.5611, -58.0206
Hunter-Lab	40.0243, 13.7025, -75.6351

Details

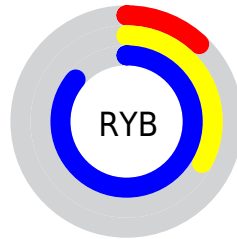
The CIELCh color **47, 66.922, 287.082** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **66, 68.512, 72.210**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 54.358, 282.740**, and **29, 65.339, 293.936** is the 20% darker color. If you saturate the color by 10%, you get **43, 75.322, 291.129**, and if you desaturate by 10%, it is **51, 58.722, 283.159**.

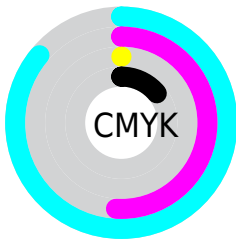
Distribution



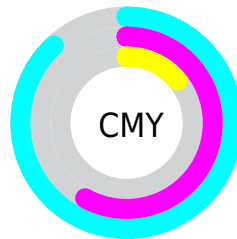
- Red (12%)
- Green (42%)
- Blue (86%)



- Red (12%)
- Yellow (33%)
- Blue (86%)



- Cyan (86%)
- Magenta (51%)
- Yellow (0%)
- Black (14%)





- Cyan (88%)
- Magenta (58%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 66.922, 287.082 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, 66.922, 287.082 by changing the saturation by 10% instead.


 47, 66.922,
287.082


 47, 66.922,
287.082


 100, 66.922,
287.082


 37, 66.922,
287.082

 67, 66.922,
287.082


 27, 66.922,
287.082

 77, 66.922,
287.082

 17, 66.922,
287.082

 87, 66.922,
287.082

 7, 66.922, 287.082

 97, 66.922,
287.082

 0, 66.922, 287.082

 47, 66.922,

 47, 66.922,

287.082

287.082

■ 43, 75.322,
291.129

■ 51, 58.722,
283.159

■ 42, 78.625,
292.614

■ 56, 50.726,
279.538

■ 60, 42.883,
276.316

■ 65, 35.138,
273.517

■ 70, 27.450,
271.120

■ 75, 19.802,
269.081

■ 80, 12.190,
267.353

■ 85, 4.619, 265.915

Harmonies

Complementary

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



47, 66.922, 287.082



66, 68.512, 72.210

Rectangle

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



47, 66.922, 287.082



47, 66.922, 337.082



47, 66.922, 107.082



47, 66.922, 157.082

Sweetspot

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



47, 66.922, 287.083



85, 22.199, 269.098



78, 67.220, 156.568



44, 15.061, 269.774



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



47, 66.922, 287.083



48, 88.607, 292.956



31, 110.545, 305.540



43, 4.270, 266.355



33, 64.655, 291.936



6, 20.802, 281.530

Inverse Universe

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



49, 72.306, 5.391



54, 84.933, 12.424



84, 83.480, 107.780



43, 5.302, 349.970



37, 63.443, 11.012



6, 24.319, 0.951

Previews

White Background



This preview shows how the CIE LCh color 47, 66.922, 287.082 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, 66.922, 287.082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

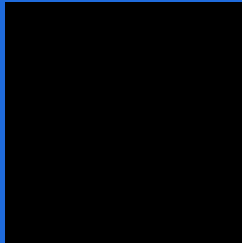
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

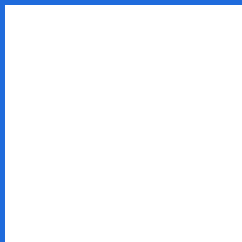
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 66.922, 287.082

Background



This preview shows how black text looks on a background with the CIELCh color 47, 66.922, 287.082.



This preview shows how white text looks on a background with the CIELCh color 47, 66.922, 287.082.

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, 66.910, 287.145

Protanopia

47, 66.829, 287.566

Deuteranopia

47, 51.390, 276.074

Trichromacy



Original Color
47, 66.910, 287.145

Protanomaly
47, 66.857, 287.418

Deuteranomaly
47, 56.610, 280.441

Monochromacy



Original Color
47, 66.910, 287.145

Achromatopsia
41, 0.006, 296.813

Achromatomaly
42, 25.835, 273.599

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 66.922, 287.082 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, 107, 220)` looks like.

```
.text, #text, p{  
    color:rgb(31, 107, 220)  
}
```

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, 107, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 107, 220) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 66.922, 287.082 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, 107, 220) }
```

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

```
.border{ border-color:rgb(31, 107, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 107, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 107, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 107, 220);  
box-shadow:4px 4px 4px 4px rgb(31, 107,  
220) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 66.922, 287.082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 107, 220) }
```

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

```
.background{ background-color: rgb(31, 107,  
220) }
```

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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