

Converting Colors

CIELCh(48, 62.682, 285.774)

Have a look what the booklet for
CIELCh(48, 62.682, 285.774)
contains.

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Color

CIELCh(48, 62.658, 285.747)

Conversions

Conversions Part 1

Format	Color
Hex	2A6FD9
RGB	42, 111, 217
RGB Percent	16%, 44%, 85%
CMY	0.8337, 0.5659, 0.1504
CMYK	0.80, 0.49, 0.00, 0.15
HSL	216°, 69%, 51%
HSV	216°, 80%, 85%
XYZ	19.1002, 16.7945, 67.6392
YIQ	102.4530, -75.1500, 18.3380

Conversions

Conversions Part 2

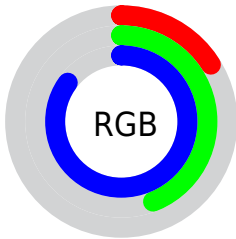
Format	Color
R _Y B	42, 91, 217
Decimal	2781145
CIE Lab	48.00, 17.00, -60.31
CIE LCh	48, 62.658, 285.747
Yxy	16.7945, 0.1845, 0.1622
Android (android.graphics.Color)	4280971225 (0xFF2A6FD9)
YUV	102.4530, 56.4717, -53.0173
Hunter-Lab	40.9810, 11.4776, -69.1714

Details

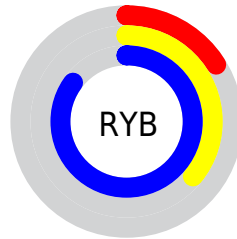
The CIELCh color **48, 62.658, 285.747** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **67, 64.241, 74.494**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 52.069, 281.606**, and **30, 61.547, 292.154** is the 20% darker color. If you saturate the color by 10%, you get **44, 71.068, 289.690**, and if you desaturate by 10%, it is **52, 54.461, 282.029**.

Distribution



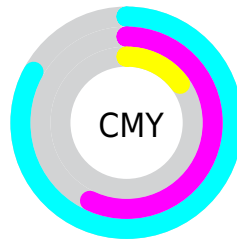
- Red (16%)
- Green (44%)
- Blue (85%)



- Red (16%)
- Yellow (36%)
- Blue (85%)



- Cyan (80%)
- Magenta (49%)
- Yellow (0%)
- Black (15%)



- Cyan (83%)
- Magenta (57%)
- Yellow (15%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 62.658, 285.747 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 48, 62.658, 285.747 by changing the saturation by 10% instead.

 48, 62.658,
285.747

 48, 62.658,
285.747

 100, 62.658,
285.747

 38, 62.658,
285.747

 68, 62.658,
285.747

 28, 62.658,
285.747

 78, 62.658,
285.747

 18, 62.658,
285.747

 88, 62.658,
285.747

 8, 62.658, 285.747

 98, 62.658,
285.747

 0, 62.658, 285.747

 48, 62.658,

 48, 62.658,

285.747

■ 44, 71.068,
289.690

■ 40, 79.267,
293.404

285.747

■ 52, 54.461,
282.029

■ 57, 46.456,
278.667

■ 62, 38.591,
275.714

■ 67, 30.820,
273.168

■ 71, 23.115,
270.995

■ 76, 15.465,
269.148

■ 81, 7.868, 267.588

■ 86, 0.332, 267.107

Harmonies

Complementary

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



48, 62.658, 285.747



67, 64.241, 74.494

Rectangle

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



48, 62.658, 285.747



48, 62.658, 335.747



48, 62.658, 105.747



48, 62.658, 155.747

Sweetspot

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



48, 62.658, 285.748



86, 20.763, 269.813



77, 62.421, 158.786



44, 14.282, 270.483



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



48, 62.658, 285.748



49, 87.590, 292.647



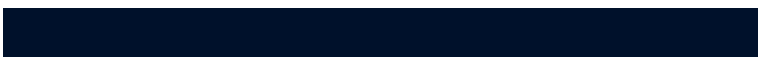
33, 103.150, 304.998



42, 4.241, 267.445



32, 65.262, 292.734



5, 19.845, 281.162

Inverse Universe

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



49, 68.964, 4.155



54, 84.384, 12.042



83, 79.794, 108.713



42, 5.163, 350.718



36, 62.874, 12.112



5, 22.683, 1.147

Previews

White Background



This preview shows how the CIE LCh color 48, 62.658, 285.747 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 48, 62.658, 285.747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

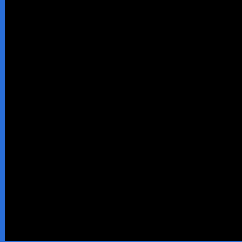
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

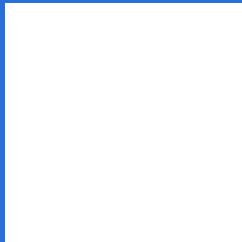
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 62.658, 285.747

Background



This preview shows how black text looks on a background with the CIELCh color 48, 62.658, 285.747.



This preview shows how white text looks on a background with the CIELCh color 48, 62.658, 285.747.

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


48, 62.676, 285.653

Protanopia

48, 61.952, 286.967

Deuteranopia

48, 52.367, 276.080



Tritanopia
48, 28.802, 206.154

Trichromacy



Original Color
48, 62.676, 285.653

Protanomaly
48, 62.583, 286.703

Deuteranomaly
48, 55.935, 279.573

Tritanomaly
47, 33.070, 250.498

Monochromacy



Original Color
48, 62.676, 285.653

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 24.356, 273.932

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 62.658, 285.747 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(42, 111, 217)` looks like.

```
.text, #text, p{  
    color:rgb(42, 111, 217)  
}
```

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(42, 111, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 111, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 62.658, 285.747 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(42, 111, 217) }
```

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

```
.border{ border-color:rgb(42, 111, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 111, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 111, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 111, 217);  
box-shadow:4px 4px 4px 4px rgb(42, 111,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 62.658, 285.747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 111, 217) }
```

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

```
.background{ background-color: rgb(42, 111,  
217) }
```

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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