

Converting Colors

CIELCh(48, 21.040, 245.575)

Have a look what the booklet for
CIELCh(48, 21.040, 245.575)
contains.

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Color

CIELCh(48, 21.034, 245.498)

Conversions

Conversions Part 1

Format	Color
Hex	487892
RGB	72, 120, 146
RGB Percent	28%, 47%, 57%
CMY	0.7188, 0.5306, 0.4286
CMYK	0.51, 0.18, 0.00, 0.43
HSL	201°, 34%, 43%
HSV	201°, 51%, 57%
XYZ	14.4957, 16.7945, 29.5478
YIQ	108.6120, -36.9540, -2.0900

Conversions

Conversions Part 2

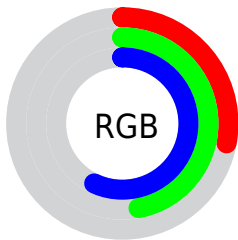
Format	Color
R_{YB}	72, 101, 146
Decimal	4749458
CIE _{Lab}	48.00, -8.72, -19.14
CIE _{LCh}	48, 21.034, 245.498
Yxy	16.7945, 0.2383, 0.2761
Android (android.graphics.Color)	4282939538 (0xFF487892)
YUV	108.6120, 18.4323, -32.1087
Hunter-Lab	40.9810, -8.5783, -14.0620

Details

The CIELCh color **48, 21.034, 245.498** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **46, 27.953, 54.146**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 21.090, 245.914**, and **28, 20.813, 243.927** is the 20% darker color. If you saturate the color by 10%, you get **46, 24.355, 248.163**, and if you desaturate by 10%, it is **50, 17.397, 243.320**.

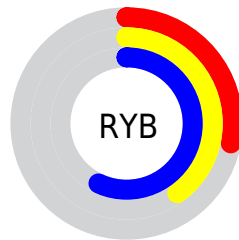
Distribution



Red (28%)

Green (47%)

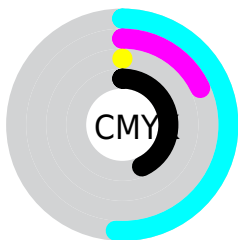
Blue (57%)



Red (28%)

Yellow (40%)

Blue (57%)

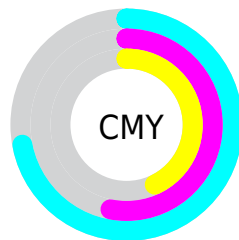


Cyan (51%)

Magenta (18%)

Yellow (0%)

Black (43%)



Cyan (72%)

Magenta (53%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 21.034, 245.498 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, 21.034, 245.498 by changing the saturation by 10% instead.

 48, 21.034,
245.498

 48, 21.034,
245.498


 100, 21.034,
245.498

 38, 21.034,
245.498

 68, 21.034,
245.498

 28, 21.034,
245.498

 78, 21.034,
245.498

 18, 21.034,
245.498

 88, 21.034,
245.498

 8, 21.034, 245.498

 98, 21.034,
245.498

 0, 21.034, 245.498

 48, 21.034,

 48, 21.034,

245.498

245.498

■ 46, 24.355,
248.163

■ 50, 17.397,
243.320

■ 44, 27.357,
251.392

■ 53, 13.472,
241.555

■ 42, 30.072,
255.232

■ 55, 9.298, 240.131

■ 40, 32.573,
259.674

■ 58, 4.916, 239.001

■ 60, 0.369, 238.997

■ 38, 34.856,
263.971

■ 63, 4.306, 57.112

■ 65, 9.077, 56.522

■ 68, 13.916, 56.010

■ 71, 18.799, 55.581

Harmonies

Complementary

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



48, 21.034, 245.498



46, 27.953, 54.146

Rectangle

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



48, 21.034, 245.498



48, 21.034, 295.498



48, 21.034, 65.498



48, 21.034, 115.498

Sweetspot

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



48, 21.033, 245.497



72, 8.372, 239.475



55, 39.134, 151.593



37, 5.673, 239.690



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



48, 21.033, 245.497



58, 30.025, 248.597



37, 38.792, 291.190



30, 2.613, 238.851



36, 33.345, 263.682



1, 2.320, 237.923

Inverse Universe

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



41, 39.729, 340.611



49, 57.170, 341.891



56, 35.399, 97.670



29, 4.512, 337.036



30, 56.890, 348.170



1, 3.915, 336.429

Previews

White Background



This preview shows how the CIELCh color 48, 21.034, 245.498 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, 21.034, 245.498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

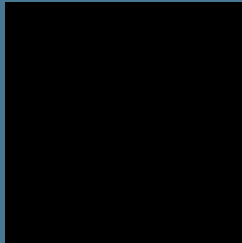
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 48, 21.034, 245.498

Background



This preview shows how black text looks on a background with the CIELCh color 48, 21.034, 245.498.

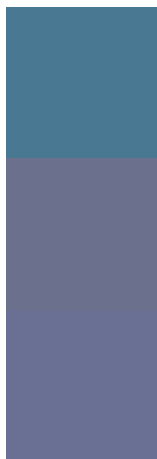


This preview shows how white text looks on a background with the CIELCh color 48, 21.034, 245.498.

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, 21.034, 245.498

Protanopia

48, 16.588, 286.105

Deuteranopia

48, 20.701, 287.049



Tritanopia
48, 18.897, 215.990

Trichromacy



Original Color
48, 21.034, 245.498

Protanomaly
48, 17.254, 267.235

Deuteranomaly
48, 19.896, 271.577

Tritanomaly
48, 19.025, 227.887

Monochromacy



Original Color
48, 21.034, 245.498

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 8.599, 242.770

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 21.034, 245.498 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(72, 120, 146)` looks like.

```
.text, #text, p{  
    color:rgb(72, 120, 146)  
}
```

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(72, 120, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 120, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 21.034, 245.498 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(72, 120, 146) }
```

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

```
.border{ border-color:rgb(72, 120, 146) }
```

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

Here you see how a box with a 4 pixel rgb(72, 120, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 120, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 120, 146);  
box-shadow:4px 4px 4px 4px rgb(72, 120,  
146) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 21.034, 245.498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 120, 146) }
```

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

```
.background{ background-color: rgb(72, 120,  
146) }
```

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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