

Converting Colors

CIELCh(48, 24.746, 206.337)

Have a look what the booklet for
CIELCh(48, 24.746, 206.337)
contains.

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Color

CIELCh(48, 24.714, 206.696)

Conversions

Conversions Part 1

Format	Color
Hex	2A7D84
RGB	42, 125, 132
RGB Percent	16%, 49%, 52%
CMY	0.8358, 0.5102, 0.4827
CMYK	0.68, 0.05, 0.00, 0.48
HSL	185°, 52%, 34%
HSV	185°, 68%, 52%
XYZ	12.4284, 16.7945, 24.3803
YIQ	100.9810, -51.7150, -15.4190

Conversions

Conversions Part 2

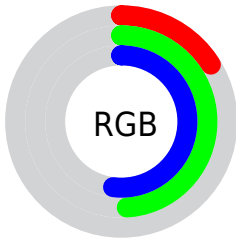
Format	Color
R_{YB}	42, 85, 132
Decimal	2784644
CIE _{Lab}	48.00, -22.08, -11.10
CIE _{LCh}	48, 24.714, 206.696
Yxy	16.7945, 0.2319, 0.3133
Android (android.graphics.Color)	4280974724 (0xFF2A7D84)
YUV	100.9810, 15.2924, -51.7263
Hunter-Lab	40.9810, -17.5830, -6.5858

Details

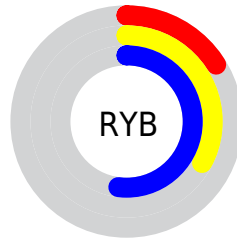
The CIELCh color **48, 24.714, 206.696** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **32, 42.084, 33.134**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 24.758, 206.548**, and **29, 20.126, 209.797** is the 20% darker color. If you saturate the color by 10%, you get **47, 26.319, 207.326**, and if you desaturate by 10%, it is **49, 22.500, 206.263**.

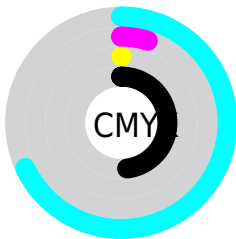
Distribution



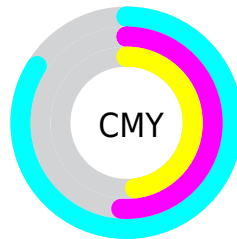
- Red (16%)
- Green (49%)
- Blue (52%)



- Red (16%)
- Yellow (33%)
- Blue (52%)



- Cyan (68%)
- Magenta (5%)
- Yellow (0%)
- Black (48%)



- Cyan (84%)
- Magenta (51%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 24.714, 206.696 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, 24.714, 206.696 by changing the saturation by 10% instead.

 48, 24.714,
206.696

 48, 24.714,
206.696

 100, 24.714,
206.696

 38, 24.714,
206.696

 68, 24.714,
206.696

 28, 24.714,
206.696

 78, 24.714,
206.696

 18, 24.714,
206.696

 88, 24.714,
206.696

 8, 24.714, 206.696

 98, 24.714,
206.696

 0, 24.714, 206.696

 48, 24.714,

 48, 24.714,

206.696

■ 47, 26.319,
207.326

■ 47, 27.322,
208.181

■ 46, 27.863,
209.228

■ 46, 27.952,
209.411

206.696

■ 49, 22.500,
206.263

■ 50, 19.706,
206.005

■ 51, 16.381,
205.896

■ 52, 12.591,
205.915

■ 53, 8.409, 206.045

■ 54, 3.907, 206.297

■ 55, 0.846, 25.971

■ 57, 5.789, 26.699

■ 58, 10.871, 27.086

Harmonies

Complementary

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



48, 24.714, 206.696



32, 42.084, 33.134

Rectangle

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



48, 24.714, 206.696



48, 24.714, 256.696



48, 24.714, 26.696



48, 24.714, 76.696

Sweetspot

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



48, 24.714, 206.695



67, 11.306, 206.007



48, 57.505, 140.133



35, 7.714, 205.972



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



48, 24.714, 206.695



60, 32.567, 207.774



34, 32.947, 276.752



27, 2.676, 206.267



46, 27.671, 209.391



1, 0.656, 206.422

Inverse Universe

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



34, 55.914, 330.223



41, 76.230, 330.883



43, 36.397, 73.295



26, 4.999, 327.083



30, 66.092, 331.485



0, 1.191, 326.605

Previews

White Background



This preview shows how the CIELCh color 48, 24.714, 206.696 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 CIELCh color 48, 24.714, 206.696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

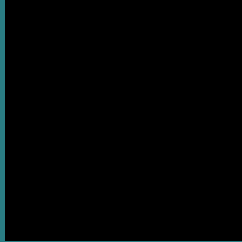
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 24.714, 206.696

Background



This preview shows how black text looks on a background with the CIELCh color 48, 24.714, 206.696.



This preview shows how white text looks on a background with the CIELCh color 48, 24.714, 206.696.

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, 24.714, 206.696

Protanopia

48, 6.498, 287.619

Deuteranopia

48, 14.251, 296.582



Tritanopia
48, 24.301, 212.772

Trichromacy



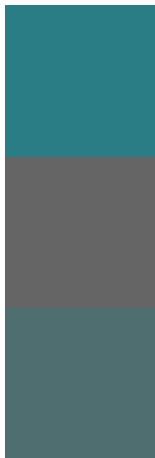
Original Color
48, 24.714, 206.696

Protanomaly
47, 12.453, 226.896

Deuteranomaly
47, 14.215, 247.494

Tritanomaly
48, 24.288, 211.300

Monochromacy



Original Color
48, 24.714, 206.696

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 11.635, 204.063

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 24.714, 206.696 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, 125, 132)` looks like.

```
.text, #text, p{  
    color:rgb(42, 125, 132)  
}
```

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, 125, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 125, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 24.714, 206.696 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, 125, 132) }
```

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

```
.border{ border-color:rgb(42, 125, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 125, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 125, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 125, 132);  
box-shadow:4px 4px 4px 4px rgb(42, 125,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 24.714, 206.696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 125, 132) }
```

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

```
.background{ background-color: rgb(42, 125,  
132) }
```

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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