

Converting Colors

CIELCh(48, 14.832, 201.966)

Have a look what the booklet for
CIELCh(48, 14.832, 201.966)
contains.

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Color

CIELCh(48, 14.780, 202.474)

Conversions

Conversions Part 1

Format	Color
Hex	50797B
RGB	80, 121, 123
RGB Percent	31%, 47%, 48%
CMY	0.6865, 0.5257, 0.5178
CMYK	0.35, 0.02, 0.00, 0.52
HSL	183°, 21%, 40%
HSV	183°, 35%, 48%
XYZ	13.7072, 16.7945, 21.2415
YIQ	108.9690, -25.0780, -8.0700

Conversions

Conversions Part 2

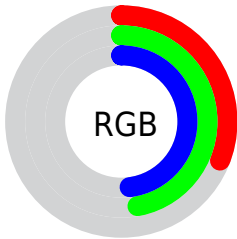
Format	Color
R_{YB}	80, 101, 123
Decimal	5273979
CIE _{Lab}	48.00, -13.66, -5.65
CIE _{LCh}	48, 14.780, 202.474
Yxy	16.7945, 0.2649, 0.3246
Android (android.graphics.Color)	4283464059 (0xFF50797B)
YUV	108.9690, 6.9173, -25.4058
Hunter-Lab	40.9810, -12.0127, -2.0447

Details

The CIELCh color **48, 14.780, 202.474** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **39, 18.748, 25.781**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 14.683, 202.559**, and **28, 14.711, 202.321** is the 20% darker color. If you saturate the color by 10%, you get **47, 18.185, 202.344**, and if you desaturate by 10%, it is **49, 10.952, 202.689**.

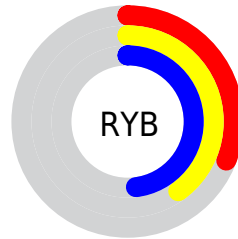
Distribution



Red (31%)

Green (47%)

Blue (48%)



Red (31%)

Yellow (40%)

Blue (48%)

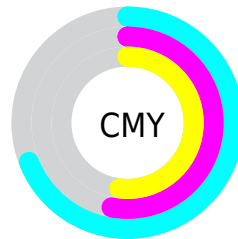


Cyan (35%)

Magenta (2%)

Yellow (0%)

Black (52%)



Cyan (69%)

Magenta (53%)

Yellow (52%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 14.780, 202.474 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, 14.780, 202.474 by changing the saturation by 10% instead.

 48, 14.780,
202.474

 48, 14.780,
202.474

 100, 14.780,
202.474

 38, 14.780,
202.474

 68, 14.780,
202.474

 28, 14.780,
202.474

 78, 14.780,
202.474

 18, 14.780,
202.474


 88, 14.780,
202.474

 8, 14.780, 202.474

 98, 14.780,
202.474

 0, 14.780, 202.474

 48, 14.780,

 48, 14.780,

202.474

■ 47, 18.185,
202.344

■ 46, 21.101,
202.320

■ 46, 23.476,
202.413

■ 45, 25.277,
202.637

■ 45, 26.500,
203.003

■ 45, 27.200,
203.512

■ 45, 27.494,
203.778

202.474

■ 49, 10.952,
202.689

■ 50, 6.771, 202.992

■ 51, 2.306, 203.445

■ 52, 2.380, 23.502

■ 53, 7.230, 24.038

■ 55, 12.194, 24.514

■ 56, 17.233, 24.996

■ 58, 22.314, 25.487

■ 59, 27.410, 25.982

Harmonies

Complementary

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



48, 14.780, 202.474



39, 18.748, 25.781

Rectangle

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



48, 14.780, 202.474



48, 14.780, 252.474



48, 14.780, 22.474



48, 14.780, 72.474

Sweetspot

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



48, 14.780, 202.471



65, 5.700, 203.172



48, 30.089, 142.911



34, 3.907, 203.125



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



48, 14.780, 202.471



61, 21.332, 202.361



42, 15.343, 264.434



25, 2.577, 203.224



45, 27.812, 203.791



87, 46.680, 204.218

Inverse Universe

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



40, 29.808, 327.571



49, 44.203, 327.985



45, 16.525, 74.641



24, 4.777, 326.169



29, 65.772, 330.104



59, 110.508, 330.210

Previews

White Background



This preview shows how the CIE LCh color 48, 14.780, 202.474 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, 14.780, 202.474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

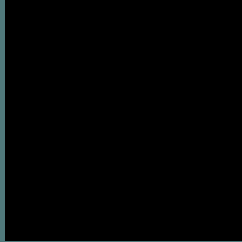
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 14.780, 202.474

Background



This preview shows how black text looks on a background with the CIELCh color 48, 14.780, 202.474.



This preview shows how white text looks on a background with the CIELCh color 48, 14.780, 202.474.

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, 14.780, 202.474

Protanopia

48, 2.987, 298.267

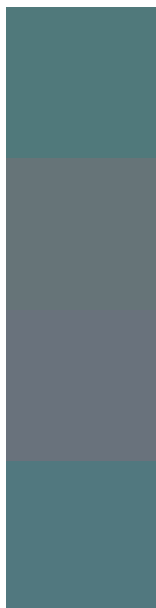
Deuteranopia

48, 9.592, 312.957



Tritanopia
48, 14.414, 222.455

Trichromacy



Original Color
48, 14.780, 202.474

Protanomaly
48, 5.853, 222.762

Deuteranomaly
48, 6.765, 260.278

Tritanomaly
48, 14.317, 214.917

Monochromacy



Original Color
48, 14.780, 202.474

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 5.892, 204.599

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 14.780, 202.474 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(80, 121, 123)` looks like.

```
.text, #text, p{  
    color:rgb(80, 121, 123)  
}
```

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(80, 121, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 121, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 14.780, 202.474 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(80, 121, 123) }
```

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

```
.border{ border-color:rgb(80, 121, 123) }
```

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

Here you see how a box with a 4 pixel rgb(80, 121, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 121, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 121, 123);  
box-shadow:4px 4px 4px 4px rgb(80, 121,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 14.780, 202.474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 121, 123) }
```

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

```
.background{ background-color: rgb(80, 121,  
123) }
```

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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