

Converting Colors

CIELCh(48, 20.991, 187.402)

Have a look what the booklet for
CIELCh(48, 20.991, 187.402)
contains.

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Color

CIELCh(48, 20.991, 187.402)

Conversions

Conversions Part 1

Format	Color
Hex	417C76
RGB	65, 124, 118
RGB Percent	25%, 49%, 46%
CMY	0.7458, 0.5144, 0.5379
CMYK	0.48, 0.00, 0.05, 0.51
HSL	174°, 31%, 37%
HSV	174°, 48%, 49%
XYZ	12.6149, 16.7945, 19.6640
YIQ	105.6750, -33.2380, -14.3740

Conversions

Conversions Part 2

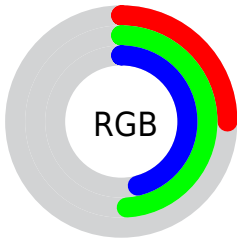
Format	Color
RYB	65, 96, 124
Decimal	4291702
CIELab	48.00, -20.82, -2.70
CIELCh	48, 20.991, 187.402
Yxy	16.7945, 0.2571, 0.3422
Android (android.graphics.Color)	4282481782 (0xFF417C76)
YUV	105.6750, 6.0762, -35.6720
Hunter-Lab	40.9810, -16.7704, 0.2375

Details

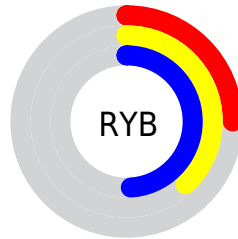
The CIELCh color **48, 20.991, 187.402** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **35, 27.292, 16.749**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 21.111, 187.085**, and **28, 21.066, 187.355** is the 20% darker color. If you saturate the color by 10%, you get **47, 24.272, 186.575**, and if you desaturate by 10%, it is **49, 17.229, 188.196**.

Distribution



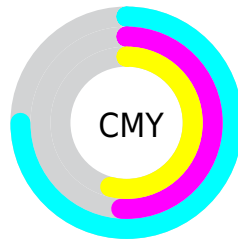
- Red (25%)
- Green (49%)
- Blue (46%)



- Red (25%)
- Yellow (38%)
- Blue (49%)



- Cyan (48%)
- Magenta (0%)
- Yellow (5%)
- Black (51%)



- Cyan (75%)
- Magenta (51%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 20.991, 187.402 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, 20.991, 187.402 by changing the saturation by 10% instead.

 48, 20.991,
187.402


 48, 20.991,
187.402


 100, 20.991,
187.402

 38, 20.991,
187.402

 68, 20.991,
187.402


 28, 20.991,
187.402

 78, 20.991,
187.402

 18, 20.991,
187.402

 88, 20.991,
187.402

 8, 20.991, 187.402

 98, 20.991,
187.402

 0, 20.991, 187.402

 48, 20.991,

 48, 20.991,

187.402

187.402

■ 47, 24.272,
186.575

■ 49, 17.229,
188.196

■ 47, 27.013,
185.709

■ 49, 13.054,
188.975

■ 47, 29.183,
184.787

■ 50, 8.545, 189.747

■ 47, 30.777,
183.792

■ 51, 3.776, 190.548

■ 52, 1.183, 10.866

■ 46, 31.919,
182.737

■ 53, 6.270, 11.852

■ 46, 32.180,
182.495

■ 55, 11.433, 12.599

■ 56, 16.630, 13.318

■ 57, 21.828, 14.022

Harmonies

Complementary

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



48, 20.991, 187.402



35, 27.292, 16.749

Rectangle

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



48, 20.991, 187.402



48, 20.991, 237.402



48, 20.991, 7.402



48, 20.991, 57.402

Sweetspot

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



48, 20.991, 187.400



64, 8.449, 190.004



47, 40.252, 138.264



34, 5.856, 189.863



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, 20.991, 187.400



61, 29.591, 186.515



41, 17.865, 249.114



25, 2.748, 190.428



47, 32.392, 182.484



90, 54.853, 181.810

Inverse Universe

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



35, 27.292, 16.749



42, 41.110, 19.103



40, 22.563, 57.699



24, 2.873, 11.656



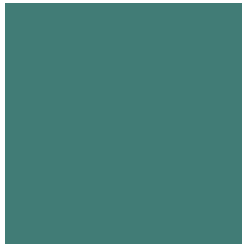
25, 57.221, 33.946



53, 99.314, 36.609

Previews

White Background



This preview shows how the CIELCh color 48, 20.991, 187.402 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, 20.991, 187.402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

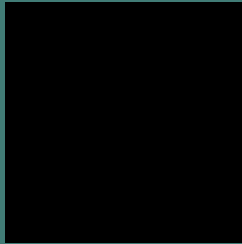
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 20.991, 187.402

Background



This preview shows how black text looks on a background with the CIELCh color 48, 20.991, 187.402.



This preview shows how white text looks on a background with the CIELCh color 48, 20.991, 187.402.

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, 20.991, 187.402

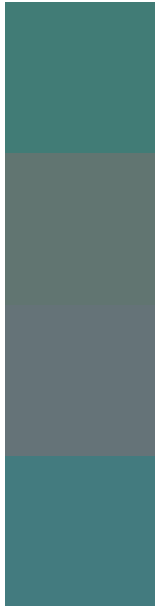
Protanopia
48, 1.691, 63.305

Deuteranopia
48, 7.883, 324.894



Tritanopia
48, 18.403, 216.545

Trichromacy



Original Color
48, 20.991, 187.402

Protanomaly
48, 8.246, 181.822

Deuteranomaly
47, 6.090, 228.039

Tritanomaly
48, 19.011, 204.662

Monochromacy



Original Color
48, 20.991, 187.402

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 8.326, 190.221

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 20.991, 187.402 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(65, 124, 118)` looks like.

```
.text, #text, p{  
    color:rgb(65, 124, 118)  
}
```

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(65, 124, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 124, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 20.991, 187.402 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(65, 124, 118) }
```

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

```
.border{ border-color:rgb(65, 124, 118) }
```

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

Here you see how a box with a 4 pixel rgb(65, 124, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 124, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 124, 118);  
box-shadow:4px 4px 4px 4px rgb(65, 124,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 20.991, 187.402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 124, 118) }
```

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

```
.background{ background-color: rgb(65, 124,  
118) }
```

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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