

Converting Colors

CIELCh(48, 22.086, 159.538)

Have a look what the booklet for
CIELCh(48, 22.086, 159.538)
contains.

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Color

CIELCh(48, 22.045, 159.228)

Conversions

Conversions Part 1

Format	Color
Hex	4F7B64
RGB	79, 123, 100
RGB Percent	31%, 48%, 39%
CMY	0.6896, 0.5170, 0.6073
CMYK	0.36, 0.00, 0.19, 0.52
HSL	149°, 22%, 40%
HSV	149°, 36%, 48%
XYZ	12.6452, 16.7945, 14.6683
YIQ	107.2220, -18.8410, -16.4810

Conversions

Conversions Part 2

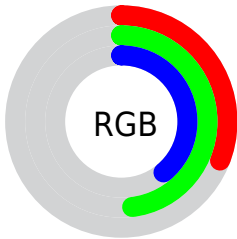
Format	Color
R_{YB}	79, 109, 123
Decimal	5208932
CIE Lab	48.00, -20.61, 7.82
CIE LCh	48, 22.045, 159.228
Yxy	16.7945, 0.2867, 0.3808
Android (android.graphics.Color)	4283399012 (0xFF4F7B64)
YUV	107.2220, -3.5604, -24.7507
Hunter-Lab	40.9810, -16.6385, 7.4651

Details

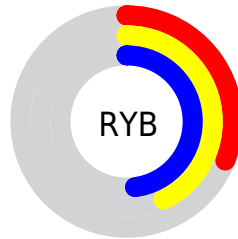
The CIELCh color **48, 22.045, 159.228** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **39, 22.872, 345.622**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 22.079, 159.114**, and **28, 22.256, 158.684** is the 20% darker color. If you saturate the color by 10%, you get **47, 27.885, 158.062**, and if you desaturate by 10%, it is **49, 15.987, 160.265**.

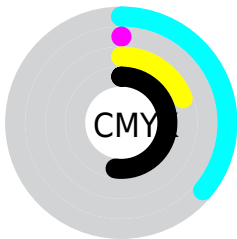
Distribution



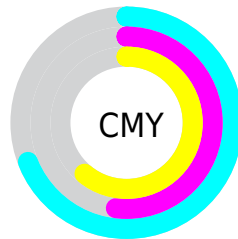
- Red (31%)
- Green (48%)
- Blue (39%)



- Red (31%)
- Yellow (43%)
- Blue (48%)



- Cyan (36%)
- Magenta (0%)
- Yellow (19%)
- Black (52%)



- Cyan (69%)
- Magenta (52%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 22.045, 159.228 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, 22.045, 159.228 by changing the saturation by 10% instead.

 48, 22.045,
159.228

 48, 22.045,
159.228

 100, 22.045,
159.228

 38, 22.045,
159.228

 68, 22.045,
159.228

 28, 22.045,
159.228

 78, 22.045,
159.228

 18, 22.045,
159.228

 88, 22.045,
159.228

 8, 22.045, 159.228

 98, 22.045,
159.228

 0, 22.045, 159.228

 48, 22.045,

 48, 22.045,

159.228

■ 47, 27.885,
158.062

■ 47, 33.406,
156.746

■ 46, 38.515,
155.260

■ 46, 43.130,
153.585

■ 45, 47.201,
151.716

■ 45, 50.756,
149.699

■ 45, 52.221,
148.895

159.228

■ 49, 15.987,
160.265

■ 50, 9.800, 161.199

■ 51, 3.566, 162.079

■ 52, 2.651, 342.649

■ 54, 8.797, 343.410

■ 55, 14.836,
344.055

■ 56, 20.739,
344.645

■ 58, 26.491,
345.193

■ 60, 32.081,
345.705

Harmonies

Complementary

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



48, 22.045, 159.228



39, 22.872, 345.622

Rectangle

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



48, 22.045, 159.228



48, 22.045, 209.228



48, 22.045, 339.228



48, 22.045, 29.228

Sweetspot

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



48, 22.046, 159.227



65, 8.515, 161.591



49, 26.855, 126.264



34, 5.766, 161.497



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, 22.046, 159.227



61, 32.663, 158.268



49, 15.958, 194.595



25, 3.489, 161.783



46, 52.808, 148.858



88, 91.349, 147.552

Inverse Universe

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



39, 22.872, 345.622



48, 34.099, 346.576



39, 19.933, 19.942



24, 3.527, 343.100



26, 50.384, 358.401



54, 84.311, 0.712

Previews

White Background



This preview shows how the CIELCh color 48, 22.045, 159.228 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, 22.045, 159.228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

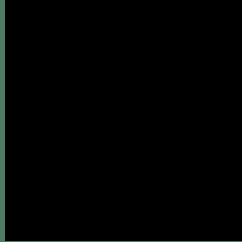
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 22.045, 159.228

Background



This preview shows how black text looks on a background with the CIELCh color 48, 22.045, 159.228.



This preview shows how white text looks on a background with the CIELCh color 48, 22.045, 159.228.

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, 22.045, 159.228

Protanopia

48, 10.990, 92.711

Deuteranopia

48, 8.878, 43.528



Tritanopia
48, 13.292, 224.794

Trichromacy



Original Color
48, 22.045, 159.228

Protanomaly
48, 12.793, 131.784

Deuteranomaly
47, 7.263, 122.515

Tritanomaly
48, 14.130, 193.070

Monochromacy



Original Color
48, 22.045, 159.228

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 8.081, 162.539

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 22.045, 159.228 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(79, 123, 100)` looks like.

```
.text, #text, p{  
    color:rgb(79, 123, 100)  
}
```

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(79, 123, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 123, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 22.045, 159.228 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(79, 123, 100) }
```

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

```
.border{ border-color:rgb(79, 123, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 123, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 123, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 123, 100);  
box-shadow:4px 4px 4px 4px rgb(79, 123,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 22.045, 159.228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 123, 100) }
```

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

```
.background{ background-color: rgb(79, 123,  
100) }
```

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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