

Converting Colors

CIELCh(48, 27.524, 202.678)

Have a look what the booklet for
CIELCh(48, 27.524, 202.678)
contains.

CIELCh(48, 27.436, 202.922)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(48, 27.436, 202.922)

Conversions

Conversions Part 1

Format	Color
Hex	187E83
RGB	24, 126, 131
RGB Percent	9%, 49%, 51%
CMY	0.9049, 0.5054, 0.4858
CMYK	0.82, 0.04, 0.00, 0.49
HSL	183°, 69%, 30%
HSV	183°, 82%, 51%
XYZ	11.9656, 16.7945, 24.1299
YIQ	96.0720, -62.3970, -20.0690

Conversions

Conversions Part 2

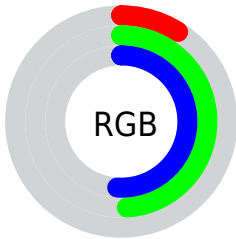
Format	Color
R_{YB}	24, 76, 131
Decimal	1605251
CIE _{Lab}	48.00, -25.27, -10.69
CIE _{LCh}	48, 27.436, 202.922
Yxy	16.7945, 0.2262, 0.3175
Android (android.graphics.Color)	4279795331 (0xFF187E83)
YUV	96.0720, 17.2195, -63.2071
Hunter-Lab	40.9810, -19.5988, -6.2236

Details

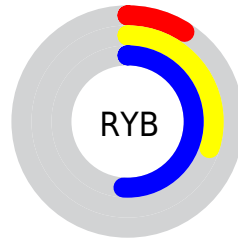
The CIELCh color **48, 27.436, 202.922** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **29, 51.903, 35.002**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 27.395, 203.106**, and **29, 20.172, 207.830** is the 20% darker color. If you saturate the color by 10%, you get **48, 28.308, 203.401**, and if you desaturate by 10%, it is **48, 25.967, 202.593**.

Distribution



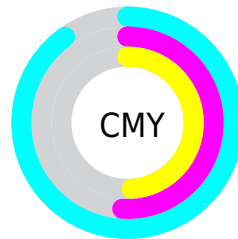
- Red (9%)
- Green (49%)
- Blue (51%)



- Red (9%)
- Yellow (30%)
- Blue (51%)



- Cyan (82%)
- Magenta (4%)
- Yellow (0%)
- Black (49%)



- Cyan (90%)
- Magenta (51%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 27.436, 202.922 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, 27.436, 202.922 by changing the saturation by 10% instead.


 48, 27.436,
202.922


 48, 27.436,
202.922


 100, 27.436,
202.922


 38, 27.436,
202.922

 68, 27.436,
202.922


 28, 27.436,
202.922

 78, 27.436,
202.922

 18, 27.436,
202.922

 88, 27.436,
202.922

 8, 27.436, 202.922

 98, 27.436,
202.922

 0, 27.436, 202.922

 48, 27.436,

 48, 27.436,

202.922

■ 48, 28.308,
203.401

■ 47, 28.780,
203.877

202.922

■ 48, 25.967,
202.593

■ 49, 23.883,
202.406

■ 50, 21.198,
202.348

■ 50, 17.955,
202.404

■ 51, 14.215,
202.562

■ 52, 10.050,
202.808

■ 53, 5.534, 203.145

■ 55, 0.741, 203.981

Harmonies

Complementary

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



48, 27.436, 202.922



29, 51.903, 35.002

Rectangle

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



48, 27.436, 202.922



48, 27.436, 252.922



48, 27.436, 22.922



48, 27.436, 72.922

Sweetspot

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



48, 27.436, 202.921



67, 13.784, 202.724



48, 66.044, 137.849



35, 9.442, 202.647



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, 27.436, 202.921



61, 34.792, 203.934



31, 37.114, 278.390



27, 2.754, 203.244



47, 28.610, 203.871



1, 0.675, 203.507

Inverse Universe

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



32, 63.331, 329.621



40, 82.190, 330.123



39, 43.064, 68.139



26, 5.107, 326.185



30, 67.672, 330.124



0, 1.216, 325.714

Previews

White Background



This preview shows how the CIELCh color 48, 27.436, 202.922 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, 27.436, 202.922 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

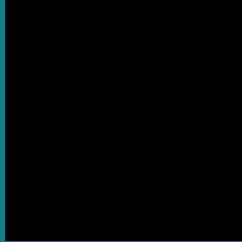
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 27.436, 202.922

Background



This preview shows how black text looks on a background with the CIELCh color 48, 27.436, 202.922.



This preview shows how white text looks on a background with the CIELCh color 48, 27.436, 202.922.

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, 27.436, 202.922

Protanopia
48, 5.903, 290.975

Deuteranopia
48, 14.251, 296.582



Tritanopia
48, 26.421, 211.287

Trichromacy



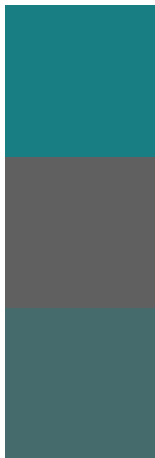
Original Color
48, 27.436, 202.922

Protanomaly
47, 13.848, 218.227

Deuteranomaly
47, 15.625, 238.737

Tritanomaly
48, 26.683, 208.441

Monochromacy



Original Color
48, 27.436, 202.922

Achromatopsia
41, 0.006, 296.813

Achromatomaly
43, 13.614, 202.976

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 27.436, 202.922 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(24, 126, 131)` looks like.

```
.text, #text, p{  
    color:rgb(24, 126, 131)  
}
```

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(24, 126, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 126, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 27.436, 202.922 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(24, 126, 131) }
```

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

```
.border{ border-color:rgb(24, 126, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 126, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 126, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 126, 131);  
box-shadow:4px 4px 4px 4px rgb(24, 126,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 27.436, 202.922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 126, 131) }
```

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

```
.background{ background-color: rgb(24, 126,  
131) }
```

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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