

Converting Colors

CIELCh(46, 25.504, 219.503)

Have a look what the booklet for
CIELCh(46, 25.504, 219.503)
contains.

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Color

CIELCh(46, 25.487, 219.267)

Conversions

Conversions Part 1

Format	Color
Hex	1D7787
RGB	29, 119, 135
RGB Percent	11%, 47%, 53%
CMY	0.8848, 0.5325, 0.4697
CMYK	0.78, 0.12, 0.00, 0.47
HSL	189°, 64%, 32%
HSV	189°, 78%, 53%
XYZ	11.5293, 15.2687, 25.3445
YIQ	93.9140, -58.7760, -14.1040

Conversions

Conversions Part 2

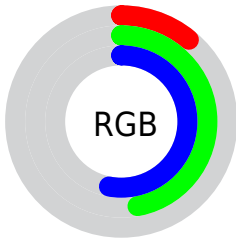
Format	Color
R _Y B	29, 78, 135
Decimal	1931143
CIE Lab	46.00, -19.73, -16.13
CIE LCh	46, 25.487, 219.267
Yxy	15.2687, 0.2211, 0.2928
Android (android.graphics.Color)	4280121223 (0xFF1D7787)
YUV	93.9140, 20.2554, -56.9296
Hunter-Lab	39.0751, -15.7143, -11.1035

Details

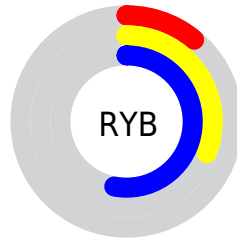
The CIELCh color **46, 25.487, 219.267** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **32, 48.334, 39.106**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 25.403, 219.620**, and **27, 19.572, 227.474** is the 20% darker color. If you saturate the color by 10%, you get **45, 26.513, 221.284**, and if you desaturate by 10%, it is **47, 23.895, 217.678**.

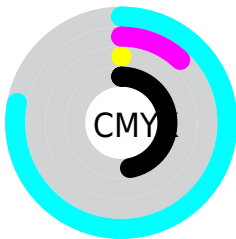
Distribution



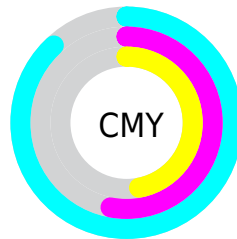
- Red (11%)
- Green (47%)
- Blue (53%)



- Red (11%)
- Yellow (31%)
- Blue (53%)



- Cyan (78%)
- Magenta (12%)
- Yellow (0%)
- Black (47%)



- Cyan (88%)
- Magenta (53%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 25.487, 219.267 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 46, 25.487, 219.267 by changing the saturation by 10% instead.


 46, 25.487,
219.267


 46, 25.487,
219.267


 100, 25.487,
219.267


 36, 25.487,
219.267

 66, 25.487,
219.267


 26, 25.487,
219.267

 76, 25.487,
219.267

 16, 25.487,
219.267

 86, 25.487,
219.267

 6, 25.487, 219.267

 96, 25.487,
219.267

 0, 25.487, 219.267

 46, 25.487,

 46, 25.487,

219.267

■ 45, 26.513,
221.284

■ 44, 27.117,
223.681

■ 44, 27.219,
224.092

219.267

■ 47, 23.895,
217.678

■ 48, 21.728,
216.460

■ 49, 19.010,
215.553

■ 51, 15.789,
214.905

■ 52, 12.130,
214.468

■ 53, 8.102, 214.208

■ 55, 3.771, 214.122

■ 57, 0.799, 33.455

■ 58, 5.553, 33.941

Harmonies

Complementary

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



46, 25.487, 219.267



32, 48.334, 39.106

Rectangle

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



46, 25.487, 219.267



46, 25.487, 269.267



46, 25.487, 39.267



46, 25.487, 89.267

Sweetspot

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



46, 25.486, 219.266



67, 12.433, 214.323



49, 61.754, 140.912



35, 8.580, 214.416



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



46, 25.486, 219.266



57, 32.698, 223.188



29, 44.256, 287.051



28, 2.602, 214.120



43, 26.837, 224.033



1, 1.236, 213.991

Inverse Universe

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



33, 59.110, 333.648



41, 77.068, 334.855



44, 43.484, 79.113



27, 4.902, 329.381



30, 63.388, 335.104



0, 2.261, 328.878

Previews

White Background



This preview shows how the CIELCh color 46, 25.487, 219.267 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 46, 25.487, 219.267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

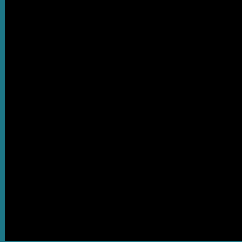
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

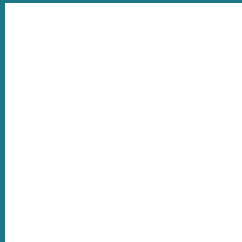
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 25.487, 219.267

Background



This preview shows how black text looks on a background with the CIELCh color 46, 25.487, 219.267.

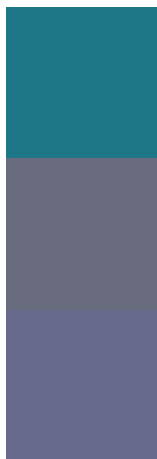


This preview shows how white text looks on a background with the CIELCh color 46, 25.487, 219.267.

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

46, 25.487, 219.267

Protanopia

46, 11.919, 288.185

Deuteranopia

46, 19.066, 289.538



Tritanopia
46, 26.038, 210.199

Trichromacy



Original Color
46, 25.487, 219.267

Protanomaly
45, 15.919, 244.251

Deuteranomaly
45, 18.914, 254.200

Tritanomaly
46, 25.823, 213.146

Monochromacy



Original Color
46, 25.487, 219.267

Achromatopsia
40, 0.006, 296.813

Achromatomaly
41, 12.513, 215.082

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 25.487, 219.267 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(29, 119, 135)` looks like.

```
.text, #text, p{  
    color:rgb(29, 119, 135)  
}
```

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(29, 119, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 119, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 25.487, 219.267 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(29, 119, 135) }
```

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

```
.border{ border-color:rgb(29, 119, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 119, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 119, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 119, 135);  
box-shadow:4px 4px 4px 4px rgb(29, 119,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 25.487, 219.267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 119, 135) }
```

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

```
.background{ background-color: rgb(29, 119,  
135) }
```

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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