

Converting Colors

CIELCh(46, 25.622, 195.359)

Have a look what the booklet for
CIELCh(46, 25.622, 195.359)
contains.

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Color

CIELCh(46, 25.781, 195.350)

Conversions

Conversions Part 1

Format	Color
Hex	227978
RGB	34, 121, 120
RGB Percent	13%, 47%, 47%
CMY	0.8649, 0.5271, 0.5310
CMYK	0.71, 0.00, 0.01, 0.53
HSL	179°, 56%, 30%
HSV	179°, 71%, 47%
XYZ	10.8273, 15.2687, 20.0168
YIQ	94.8730, -51.5310, -18.7550

Conversions

Conversions Part 2

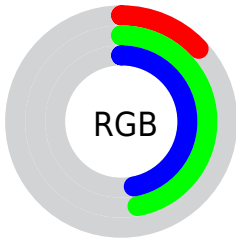
Format	Color
RYB	34, 78, 121
Decimal	2259320
CIELab	46.00, -24.86, -6.82
CIElCh	46, 25.781, 195.350
Yxy	15.2687, 0.2348, 0.3311
Android (android.graphics.Color)	4280449400 (0xFF227978)
YUV	94.8730, 12.3876, -53.3856
Hunter-Lab	39.0751, -18.9212, -3.0195

Details

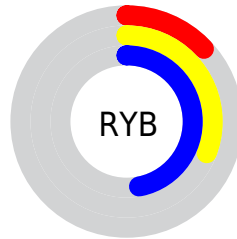
The CIELCh color **46, 25.781, 195.350** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **28, 42.793, 29.148**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 26.085, 194.814**, and **27, 20.130, 196.386** is the 20% darker color. If you saturate the color by 10%, you get **46, 27.364, 195.088**, and if you desaturate by 10%, it is **46, 23.622, 195.653**.

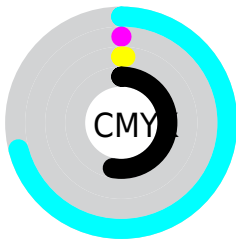
Distribution



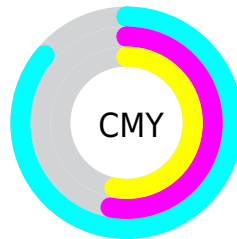
- Red (13%)
- Green (47%)
- Blue (47%)



- Red (13%)
- Yellow (31%)
- Blue (47%)



- Cyan (71%)
- Magenta (0%)
- Yellow (1%)
- Black (53%)





- Cyan (86%)
- Magenta (53%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 25.781, 195.350 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, 25.781, 195.350 by changing the saturation by 10% instead.


 46, 25.781,
195.350


 46, 25.781,
195.350


 100, 25.781,
195.350


 36, 25.781,
195.350

 66, 25.781,
195.350


 26, 25.781,
195.350

 76, 25.781,
195.350

 16, 25.781,
195.350

 86, 25.781,
195.350

 6, 25.781, 195.350

 96, 25.781,
195.350

 0, 25.781, 195.350

 46, 25.781,

 46, 25.781,

195.350

■ 46, 27.364,
195.088

■ 46, 28.390,
194.865

■ 46, 29.038,
194.691

195.350

■ 46, 23.622,
195.653

■ 47, 20.901,
196.004

■ 47, 17.656,
196.403

■ 48, 13.943,
196.848

■ 49, 9.831, 197.339

■ 50, 5.390, 197.887

■ 51, 0.691, 198.913

■ 52, 4.202, 18.843

■ 53, 9.231, 19.481

Harmonies

Complementary

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



46, 25.781, 195.350



28, 42.793, 29.148

Rectangle

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



46, 25.781, 195.350



46, 25.781, 245.350



46, 25.781, 15.350



46, 25.781, 65.350

Sweetspot

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



46, 25.781, 195.349



62, 11.860, 197.336



44, 57.399, 138.058



32, 8.035, 197.224



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



46, 25.781, 195.349



58, 33.804, 194.936



32, 28.174, 269.008



25, 2.702, 198.031



47, 29.789, 194.685



90, 50.168, 194.595

Inverse Universe

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



28, 42.793, 29.148



33, 63.572, 34.818



37, 35.041, 65.162



24, 2.851, 18.932



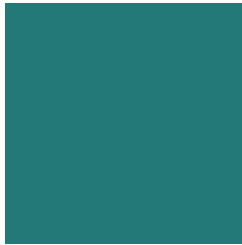
25, 59.741, 37.721



53, 103.318, 39.676

Previews

White Background



This preview shows how the CIELCh color 46, 25.781, 195.350 looks on a white background.

Color Contrast Check

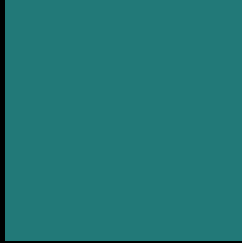
Large Text (above 18pt) WCAG AA ✓ Pass

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, 25.781, 195.350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

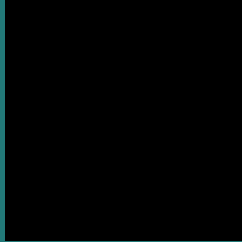
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 25.781, 195.350

Background



This preview shows how black text looks on a background with the CIELCh color 46, 25.781, 195.350.



This preview shows how white text looks on a background with the CIELCh color 46, 25.781, 195.350.

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, 25.934, 195.342

Protanopia

46, 2.423, 300.112

Deuteranopia

46, 10.430, 304.507



Tritanopia
46, 23.737, 211.743

Trichromacy



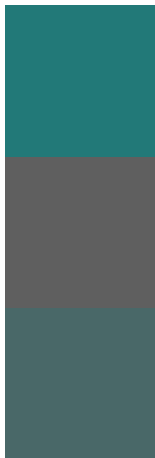
Original Color
46, 25.934, 195.342

Protanomaly
45, 11.609, 204.074

Deuteranomaly
45, 11.631, 233.050

Tritanomaly
46, 24.359, 205.431

Monochromacy



Original Color
46, 25.934, 195.342

Achromatopsia
40, 0.006, 296.813

Achromatomaly
42, 11.768, 198.015

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 25.781, 195.350 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(34, 121, 120)` looks like.

```
.text, #text, p{  
    color:rgb(34, 121, 120)  
}
```

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(34, 121, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 121, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 25.781, 195.350 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(34, 121, 120) }
```

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

```
.border{ border-color:rgb(34, 121, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 121, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 121, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 121, 120);  
box-shadow:4px 4px 4px 4px rgb(34, 121,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 25.781, 195.350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 121, 120) }
```

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

```
.background{ background-color: rgb(34, 121,  
120) }
```

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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