

Converting Colors

CIELCh(46, 21.644, 180.997)

Have a look what the booklet for
CIELCh(46, 21.644, 180.997)
contains.

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Color

CIELCh(46, 21.644, 180.997)

Conversions

Conversions Part 1

Format	Color
Hex	3D776D
RGB	61, 119, 109
RGB Percent	24%, 47%, 43%
CMY	0.7611, 0.5336, 0.5728
CMYK	0.49, 0.00, 0.08, 0.53
HSL	170°, 32%, 35%
HSV	170°, 49%, 47%
XYZ	11.2646, 15.2687, 16.8013
YIQ	100.5180, -31.3580, -15.4060

Conversions

Conversions Part 2

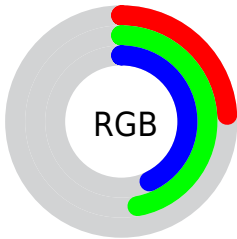
Format	Color
R _Y B	61, 93, 119
Decimal	4028269
CIE Lab	46.00, -21.64, -0.38
CIE LCh	46, 21.644, 180.997
Yxy	15.2687, 0.2599, 0.3523
Android (android.graphics.Color)	4282218349 (0xFF3D776D)
YUV	100.5180, 4.1816, -34.6573
Hunter-Lab	39.0751, -16.9233, 1.8594

Details

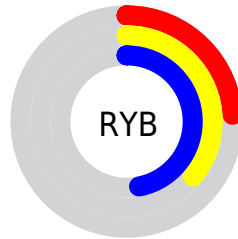
The CIELCh color **46, 21.644, 180.997** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **33, 26.956, 11.557**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 21.887, 179.800**, and **26, 21.488, 181.825** is the 20% darker color. If you saturate the color by 10%, you get **45, 25.066, 179.924**, and if you desaturate by 10%, it is **47, 17.783, 181.995**.

Distribution



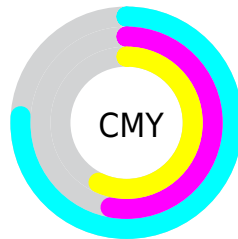
- Red (24%)
- Green (47%)
- Blue (43%)



- Red (24%)
- Yellow (36%)
- Blue (47%)



- Cyan (49%)
- Magenta (0%)
- Yellow (8%)
- Black (53%)




- Cyan (76%)
- Magenta (53%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 21.644, 180.997 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, 21.644, 180.997 by changing the saturation by 10% instead.


 46, 21.644,
180.997


 46, 21.644,
180.997


 100, 21.644,
180.997


 36, 21.644,
180.997

 66, 21.644,
180.997


 26, 21.644,
180.997

 76, 21.644,
180.997

 16, 21.644,
180.997

 86, 21.644,
180.997

 6, 21.644, 180.997

 96, 21.644,
180.997

 0, 21.644, 180.997

 46, 21.644,

 46, 21.644,

180.997

180.997

■ 45, 25.066,
179.924

■ 47, 17.783,
181.995

■ 45, 27.990,
178.761

■ 47, 13.552,
182.938

■ 45, 30.379,
177.489

■ 48, 9.028, 183.842

■ 45, 32.228,
176.087

■ 49, 4.284, 184.737

■ 50, 0.612, 4.897

■ 44, 33.705,
174.615

■ 51, 5.602, 6.206

■ 44, 33.887,
174.441

■ 52, 10.637, 7.006

■ 54, 15.678, 7.765

■ 55, 20.695, 8.499

Harmonies

Complementary

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



46, 21.644, 180.997



33, 26.956, 11.557

Rectangle

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



46, 21.644, 180.997



46, 21.644, 230.997



46, 21.644, 0.997



46, 21.644, 50.997

Sweetspot

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



46, 21.644, 180.995



62, 9.042, 184.142



45, 39.023, 136.562



32, 6.199, 183.991



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, 21.644, 180.995



59, 31.113, 179.729



40, 16.959, 239.780



24, 2.718, 184.714



46, 34.615, 174.386



88, 59.366, 173.386

Inverse Universe

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



33, 26.956, 11.557



40, 41.004, 14.219



38, 22.677, 50.816



23, 2.820, 6.086



24, 53.942, 29.368



52, 94.172, 32.498

Previews

White Background



This preview shows how the CIELCh color 46, 21.644, 180.997 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, 21.644, 180.997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

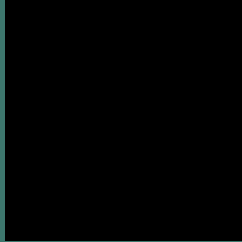
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 21.644, 180.997

Background



This preview shows how black text looks on a background with the CIELCh color 46, 21.644, 180.997.



This preview shows how white text looks on a background with the CIELCh color 46, 21.644, 180.997.

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, 21.644, 180.997

Protanopia

46, 3.391, 80.169

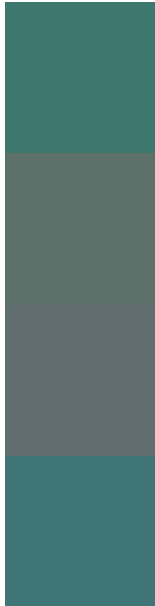
Deuteranopia

46, 6.460, 340.132



Tritanopia
46, 17.626, 217.621

Trichromacy



Original Color
46, 21.644, 180.997

Protanomaly
46, 8.742, 169.935

Deuteranomaly
45, 5.158, 205.534

Tritanomaly
46, 18.228, 203.137

Monochromacy



Original Color
46, 21.644, 180.997

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 8.721, 182.353

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 21.644, 180.997 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(61, 119, 109)` looks like.

```
.text, #text, p{  
    color:rgb(61, 119, 109)  
}
```

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(61, 119, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 119, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 21.644, 180.997 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(61, 119, 109) }
```

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

```
.border{ border-color:rgb(61, 119, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 119, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 119, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 119, 109);  
box-shadow:4px 4px 4px 4px rgb(61, 119,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 21.644, 180.997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 119, 109) }
```

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

```
.background{ background-color: rgb(61, 119,  
109) }
```

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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