

Converting Colors

CIELCh(46, 24.979, 156.676)

Have a look what the booklet for
CIELCh(46, 24.979, 156.676)
contains.

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Color

CIELCh(46, 24.873, 156.800)

Conversions

Conversions Part 1

Format	Color
Hex	47775C
RGB	71, 119, 92
RGB Percent	28%, 47%, 36%
CMY	0.7221, 0.5338, 0.6397
CMYK	0.40, 0.00, 0.23, 0.53
HSL	146°, 25%, 37%
HSV	146°, 40%, 47%
XYZ	11.0975, 15.2687, 12.4595
YIQ	101.5700, -19.9410, -18.5730

Conversions

Conversions Part 2

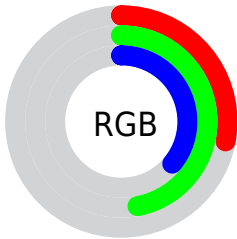
Format	Color
R_{YB}	71, 104, 119
Decimal	4683612
CIE _{Lab}	46.00, -22.86, 9.80
CIE _{LCh}	46, 24.873, 156.800
Yxy	15.2687, 0.2858, 0.3933
Android (android.graphics.Color)	4282873692 (0xFF47775C)
YUV	101.5700, -4.7180, -26.8099
Hunter-Lab	39.0751, -17.6869, 8.4474

Details

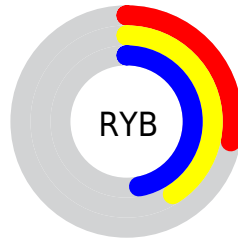
The CIELCh color **46, 24.873, 156.800** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **37, 25.680, 343.923**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 25.153, 156.167**, and **26, 24.810, 156.734** is the 20% darker color. If you saturate the color by 10%, you get **45, 30.636, 155.589**, and if you desaturate by 10%, it is **47, 18.862, 157.870**.

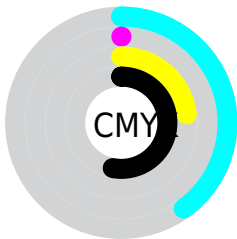
Distribution



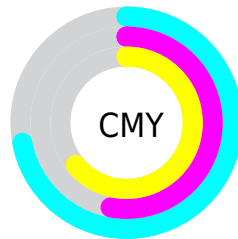
- Red (28%)
- Green (47%)
- Blue (36%)



- Red (28%)
- Yellow (41%)
- Blue (47%)



- Cyan (40%)
- Magenta (0%)
- Yellow (23%)
- Black (53%)



- Cyan (72%)
- Magenta (53%)
- Yellow (64%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 24.873, 156.800 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, 24.873, 156.800 by changing the saturation by 10% instead.

 46, 24.873,
156.800


 46, 24.873,
156.800


 100, 24.873,
156.800

 36, 24.873,
156.800

 66, 24.873,
156.800


 26, 24.873,
156.800

 76, 24.873,
156.800

 16, 24.873,
156.800

 86, 24.873,
156.800

 6, 24.873, 156.800

 96, 24.873,
156.800

 0, 24.873, 156.800

 46, 24.873,

 46, 24.873,

156.800

156.800

■ 45, 30.636,
155.589

■ 47, 18.862,
157.870

■ 45, 36.050,
154.218

■ 48, 12.697,
158.824

■ 44, 41.022,
152.667

■ 49, 6.462, 159.688

■ 44, 45.481,
150.927

■ 50, 0.229, 161.551

■ 51, 5.945, 341.048

■ 44, 49.385,
149.001

■ 53, 12.018,
341.696

■ 43, 52.790,
147.165

■ 54, 17.960,
342.277

■ 55, 23.751,
342.811

■ 57, 29.379,

Harmonies

Complementary

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



46, 24.873, 156.800



37, 25.680, 343.923

Rectangle

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



46, 24.873, 156.800



46, 24.873, 206.800



46, 24.873, 336.800



46, 24.873, 26.800

Sweetspot

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



46, 24.874, 156.799



62, 9.317, 159.526



47, 29.152, 124.820



32, 6.229, 159.442



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, 24.874, 156.799



59, 36.444, 155.736



47, 17.426, 191.207



24, 3.465, 159.802



45, 53.993, 147.090



87, 94.175, 145.767

Inverse Universe

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



37, 25.680, 343.923



45, 37.736, 344.922



36, 22.070, 18.085



23, 3.497, 341.062



26, 50.294, 354.852



54, 84.564, 356.950

Previews

White Background



This preview shows how the CIELCh color 46, 24.873, 156.800 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, 24.873, 156.800 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, 24.873, 156.800

Background



This preview shows how black text looks on a background with the CIELCh color 46, 24.873, 156.800.

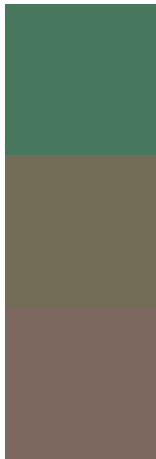


This preview shows how white text looks on a background with the CIELCh color 46, 24.873, 156.800.

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, 24.873, 156.800

Protanopia

46, 12.795, 94.436

Deuteranopia

46, 10.277, 51.328



Tritanopia
46, 14.002, 220.722

Trichromacy



Original Color
46, 24.873, 156.800

Protanomaly
46, 14.695, 130.459

Deuteranomaly
45, 9.056, 119.760

Tritanomaly
46, 15.434, 188.761

Monochromacy



Original Color
46, 24.873, 156.800

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 8.860, 160.870

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 24.873, 156.800 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(71, 119, 92)` looks like.

```
.text, #text, p{  
    color:rgb(71, 119, 92)  
}
```

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(71, 119, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 119, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 24.873, 156.800 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(71, 119, 92) }
```

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

```
.border{ border-color:rgb(71, 119, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 119, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 119, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 119, 92);  
box-shadow:4px 4px 4px 4px rgb(71, 119,  
92) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 24.873, 156.800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 119, 92) }
```

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

```
.background{ background-color: rgb(71, 119,  
92) }
```

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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