

Converting Colors

CIELCh(46, 20.458, 202.118)

Have a look what the booklet for
CIELCh(46, 20.458, 202.118)
contains.

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Color

CIELCh(46, 20.272, 202.361)

Conversions

Conversions Part 1

Format	Color
Hex	397679
RGB	57, 118, 121
RGB Percent	22%, 46%, 47%
CMY	0.7756, 0.5364, 0.5247
CMYK	0.53, 0.02, 0.00, 0.52
HSL	183°, 36%, 35%
HSV	183°, 53%, 48%
XYZ	11.6674, 15.2687, 20.4892
YIQ	100.1030, -37.3190, -11.9990

Conversions

Conversions Part 2

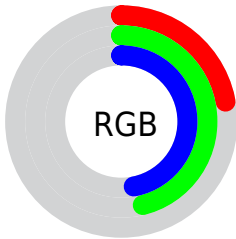
Format	Color
RYB	57, 88, 121
Decimal	3765881
CIELab	46.00, -18.75, -7.71
CIELCh	46, 20.272, 202.361
Yxy	15.2687, 0.2460, 0.3220
Android (android.graphics.Color)	4281955961 (0xFF397679)
YUV	100.1030, 10.3022, -37.8013
Hunter-Lab	39.0751, -15.0833, -3.7363

Details

The CIELCh color **46, 20.272, 202.361** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **33, 29.703, 28.194**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 20.111, 202.551**, and **26, 19.022, 204.586** is the 20% darker color. If you saturate the color by 10%, you get **45, 22.743, 202.427**, and if you desaturate by 10%, it is **47, 17.277, 202.405**.

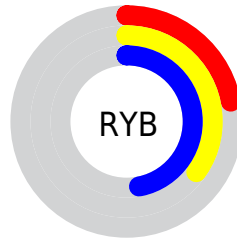
Distribution



Red (22%)

Green (46%)

Blue (47%)



Red (22%)

Yellow (35%)

Blue (47%)

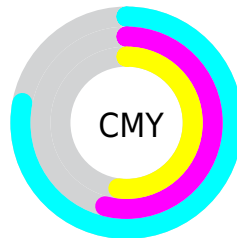


Cyan (53%)

Magenta (2%)

Yellow (0%)

Black (52%)



Cyan (78%)


Magenta (54%)


Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 20.272, 202.361 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, 20.272, 202.361 by changing the saturation by 10% instead.


 46, 20.272,
202.361


 46, 20.272,
202.361


 100, 20.272,
202.361


 36, 20.272,
202.361

 66, 20.272,
202.361


 26, 20.272,
202.361

 76, 20.272,
202.361

 16, 20.272,
202.361

 86, 20.272,
202.361

 6, 20.272, 202.361

 96, 20.272,
202.361

 0, 20.272, 202.361

 46, 20.272,

 46, 20.272,

202.361

■ 45, 22.743,
202.427

■ 45, 24.654,
202.624

■ 44, 25.991,
202.960

■ 44, 26.780,
203.446

■ 44, 27.204,
203.830

202.361

■ 47, 17.277,
202.405

■ 48, 13.814,
202.551

■ 48, 9.948, 202.786

■ 49, 5.749, 203.108

■ 51, 1.284, 203.692

■ 52, 3.385, 23.675

■ 53, 8.205, 24.173

■ 54, 13.129, 24.647

■ 56, 18.119, 25.130

Harmonies

Complementary

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



46, 20.272, 202.361



33, 29.703, 28.194

Rectangle

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



46, 20.272, 202.361



46, 20.272, 252.361



46, 20.272, 22.361



46, 20.272, 72.361

Sweetspot

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



46, 20.272, 202.359



63, 8.851, 202.981



46, 44.035, 141.147



32, 5.915, 202.928



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, 20.272, 202.359



58, 28.045, 202.452



36, 22.730, 268.630



25, 2.576, 203.259



45, 27.800, 203.855



87, 46.659, 204.285

Inverse Universe

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



35, 43.363, 328.466



42, 62.144, 328.985



41, 25.490, 72.367



24, 4.776, 326.180



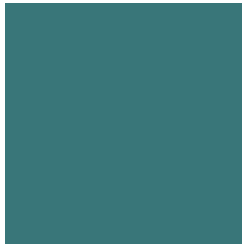
29, 65.754, 330.120



59, 110.475, 330.227

Previews

White Background



This preview shows how the CIELCh color 46, 20.272, 202.361 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, 20.272, 202.361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

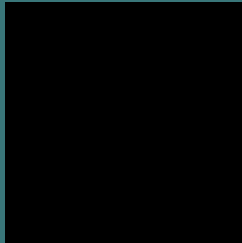
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 20.272, 202.361

Background



This preview shows how black text looks on a background with the CIELCh color 46, 20.272, 202.361.



This preview shows how white text looks on a background with the CIELCh color 46, 20.272, 202.361.

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, 20.272, 202.361

Protanopia

46, 4.167, 290.765

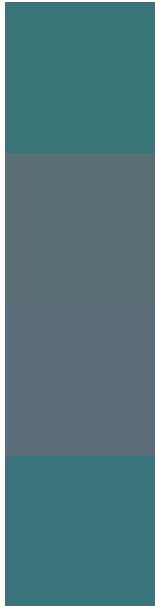
Deuteranopia

46, 11.009, 303.848



Tritanopia
46, 19.561, 215.383

Trichromacy



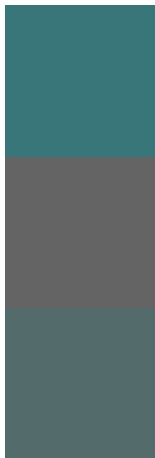
Original Color
46, 20.272, 202.361

Protanomaly
46, 8.773, 218.482

Deuteranomaly
45, 10.065, 249.491

Tritanomaly
46, 19.695, 211.553

Monochromacy



Original Color
46, 20.272, 202.361

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 8.892, 202.294

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 20.272, 202.361 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(57, 118, 121)` looks like.

```
.text, #text, p{  
    color:rgb(57, 118, 121)  
}
```

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(57, 118, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 118, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 20.272, 202.361 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(57, 118, 121) }
```

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

```
.border{ border-color:rgb(57, 118, 121) }
```

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

Here you see how a box with a 4 pixel rgb(57, 118, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 118, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 118, 121);  
box-shadow:4px 4px 4px 4px rgb(57, 118,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 20.272, 202.361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 118, 121) }
```

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

```
.background{ background-color: rgb(57, 118,  
121) }
```

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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