

Converting Colors

CIELCh(46, 11.876, 217.441)

Have a look what the booklet for
CIELCh(46, 11.876, 217.441)
contains.

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Color

CIELCh(46, 11.938, 218.793)

Conversions

Conversions Part 1

Format	Color
Hex	537279
RGB	83, 114, 121
RGB Percent	33%, 45%, 47%
CMY	0.6743, 0.5527, 0.5253
CMYK	0.31, 0.06, 0.00, 0.53
HSL	191°, 19%, 40%
HSV	191°, 31%, 47%
XYZ	13.0487, 15.2687, 20.3644
YIQ	105.5290, -20.7230, -4.3950

Conversions

Conversions Part 2

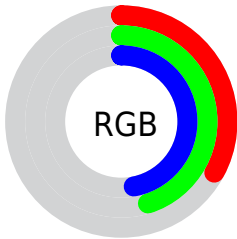
Format	Color
R_{YB}	83, 100, 121
Decimal	5468793
CIE _{Lab}	46.00, -9.30, -7.48
CIE _{LCh}	46, 11.938, 218.793
Yxy	15.2687, 0.2680, 0.3136
Android (android.graphics.Color)	4283658873 (0xFF537279)
YUV	105.5290, 7.6272, -19.7579
Hunter-Lab	39.0751, -8.7733, -3.5471

Details

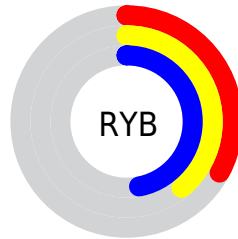
The CIELCh color $46, 11.938, 218.793$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $41, 14.723, 37.648$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 11.829, 217.781$, and $26, 12.121, 220.189$ is the 20% darker color. If you saturate the color by 10%, you get $45, 15.133, 219.501$, and if you desaturate by 10%, it is $47, 8.409, 218.289$.

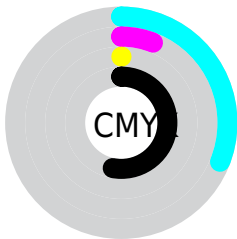
Distribution



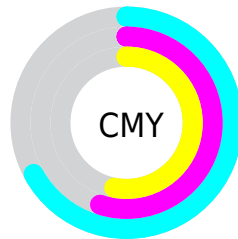
- Red (33%)
- Green (45%)
- Blue (47%)



- Red (33%)
- Yellow (39%)
- Blue (47%)



- Cyan (31%)
- Magenta (6%)
- Yellow (0%)
- Black (53%)





- Cyan (67%)
- Magenta (55%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 11.938, 218.793 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, 11.938, 218.793 by changing the saturation by 10% instead.


 46, 11.938,
218.793


 46, 11.938,
218.793


 100, 11.938,
218.793


 36, 11.938,
218.793

 66, 11.938,
218.793


 26, 11.938,
218.793

 76, 11.938,
218.793

 16, 11.938,
218.793


 86, 11.938,
218.793

 6, 11.938, 218.793

 96, 11.938,
218.793

 0, 11.938, 218.793

 46, 11.938,

 46, 11.938,

218.793

■ 45, 15.133,
219.501

■ 43, 17.936,
220.473

■ 42, 20.297,
221.761

■ 41, 22.178,
223.433

■ 40, 23.569,
225.556

■ 39, 24.495,
228.197

■ 38, 25.125,
230.665

218.793

■ 47, 8.409, 218.289

■ 49, 4.603, 217.978

■ 51, 0.576, 218.334

■ 52, 3.624, 37.457

■ 54, 7.956, 37.476

■ 56, 12.384, 37.517

■ 58, 16.879, 37.596

■ 59, 21.418, 37.706

■ 61, 25.981, 37.840

Harmonies

Complementary

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



46, 11.938, 218.793



41, 14.723, 37.648

Rectangle

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



46, 11.938, 218.793



46, 11.938, 268.793



46, 11.938, 38.793



46, 11.938, 88.793

Sweetspot

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



46, 11.938, 218.789



63, 4.550, 217.939



47, 24.018, 147.695



32, 3.135, 217.959



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, 11.938, 218.789



58, 17.465, 219.305



40, 16.245, 277.027



25, 2.310, 217.937



40, 25.707, 230.791



77, 43.384, 232.886

Inverse Universe

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



40, 24.090, 331.874



50, 36.121, 332.359



46, 16.253, 88.606



24, 4.339, 330.482



28, 59.305, 336.856



57, 99.114, 337.418

Previews

White Background



This preview shows how the CIE LCh color 46, 11.938, 218.793 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, 11.938, 218.793 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, 11.938, 218.793

Background



This preview shows how black text looks on a background with the CIELCh color 46, 11.938, 218.793.



This preview shows how white text looks on a background with the CIELCh color 46, 11.938, 218.793.

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, 11.938, 218.793

Protanopia

46, 5.356, 290.926

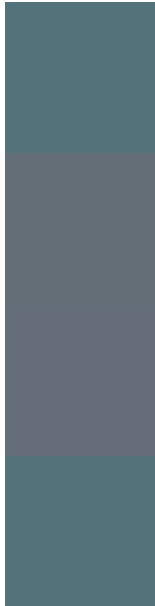
Deuteranopia

46, 10.527, 306.594



Tritanopia
46, 12.271, 224.321

Trichromacy



Original Color
46, 11.938, 218.793

Protanomaly
46, 6.297, 248.361

Deuteranomaly
46, 8.119, 271.957

Tritanomaly
46, 12.092, 221.594

Monochromacy



Original Color
46, 11.938, 218.793

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 4.490, 214.432

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 11.938, 218.793 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(83, 114, 121)` looks like.

```
.text, #text, p{  
    color:rgb(83, 114, 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(83, 114, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 114, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 11.938, 218.793 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(83, 114, 121) }
```

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

```
.border{ border-color:rgb(83, 114, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 114, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 114, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 114, 121);  
box-shadow:4px 4px 4px 4px rgb(83, 114,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 11.938, 218.793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 114, 121) }
```

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

```
.background{ background-color: rgb(83, 114,  
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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