

Converting Colors

CIELCh(46, 8.214, 239.703)

Have a look what the booklet for
CIELCh(46, 8.214, 239.703) contains.

CIELCh(46, 8.237, 239.509)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(46, 8.237, 239.509)

Conversions

Conversions Part 1

Format	Color
Hex	5F7079
RGB	95, 112, 121
RGB Percent	37%, 44%, 47%
CMY	0.6292, 0.5625, 0.5273
CMYK	0.22, 0.07, 0.00, 0.53
HSL	201°, 12%, 42%
HSV	201°, 22%, 47%
XYZ	13.8421, 15.2687, 20.1614
YIQ	107.9430, -13.0210, -0.8050

Conversions

Conversions Part 2

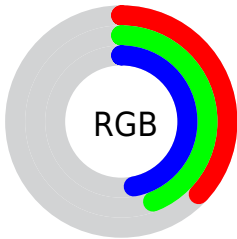
Format	Color
R_{YB}	95, 105, 121
Decimal	6254713
CIE Lab	46.00, -4.18, -7.10
CIE LCh	46, 8.237, 239.509
Yxy	15.2687, 0.2809, 0.3099
Android (android.graphics.Color)	4284444793 (0xFF5F7079)
YUV	107.9430, 6.4371, -11.3510
Hunter-Lab	39.0751, -5.1491, -3.2390

Details

The CIELCh color **46, 8.237, 239.509** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **45, 9.159, 55.558**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 8.079, 237.215**, and **26, 8.495, 242.861** is the 20% darker color. If you saturate the color by 10%, you get **44, 11.794, 240.888**, and if you desaturate by 10%, it is **48, 4.500, 238.399**.

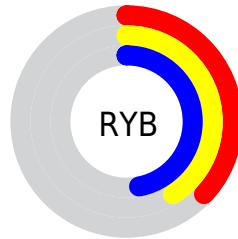
Distribution



Red (37%)

Green (44%)

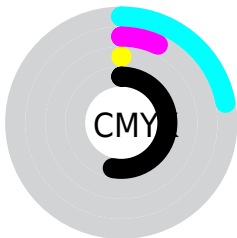
Blue (47%)



Red (37%)

Yellow (41%)

Blue (47%)

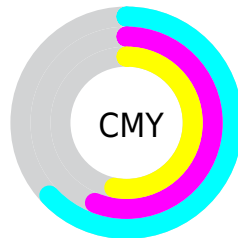


Cyan (22%)

Magenta (7%)

Yellow (0%)

Black (53%)



Cyan (63%)

Magenta (56%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 8.237, 239.509 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, 8.237, 239.509 by changing the saturation by 10% instead.

■ 46, 8.237, 239.509

■ 46, 8.237, 239.509

■ 100, 8.237,
239.509

■ 36, 8.237, 239.509

■ 66, 8.237, 239.509

■ 26, 8.237, 239.509

■ 76, 8.237, 239.509

■ 16, 8.237, 239.509

■ 86, 8.237, 239.509

■ 6, 8.237, 239.509

■ 96, 8.237, 239.509

■ 0, 8.237, 239.509

■ 46, 8.237, 239.509

■ 46, 8.237, 239.509

■ 44, 11.794,
240.888

■ 48, 4.500, 238.399

■ 42, 15.137,

■ 50, 0.619, 237.934

242.602

53, 3.375, 56.544

40, 18.231,
244.712

55, 7.453, 55.976

38, 21.054,
247.292

57, 11.593, 55.478

36, 23.601,
250.414

59, 15.773, 55.059

35, 25.896,
254.126

62, 19.979, 54.707

64, 24.197, 54.410

33, 27.996,
258.428

66, 28.416, 54.158

32, 29.779,
262.101

Harmonies

Complementary

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



46, 8.237, 239.509



45, 9.159, 55.558

Rectangle

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



46, 8.237, 239.509



46, 8.237, 289.509



46, 8.237, 59.509



46, 8.237, 109.509

Sweetspot

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



46, 8.237, 239.502



63, 2.905, 237.938



48, 14.708, 154.078



33, 1.940, 237.973



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, 8.237, 239.502



57, 12.109, 240.166



42, 13.139, 284.964



25, 2.230, 238.171



33, 30.624, 262.310



65, 53.291, 265.282

Inverse Universe

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



43, 14.731, 337.722



53, 21.923, 338.119



49, 12.776, 100.025



24, 3.866, 336.788



27, 53.281, 347.525



56, 88.787, 348.953

Previews

White Background



This preview shows how the CIELCh color 46, 8.237, 239.509 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, 8.237, 239.509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

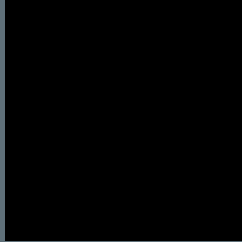
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

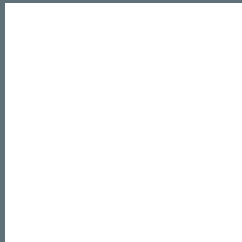
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 8.237, 239.509

Background



This preview shows how black text looks on a background with the CIELCh color 46, 8.237, 239.509.



This preview shows how white text looks on a background with the CIELCh color 46, 8.237, 239.509.

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

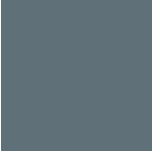
46, 8.237, 239.509

Protanopia

46, 5.950, 291.006

Deuteranopia

46, 9.956, 307.461



Tritanopia
46, 7.902, 235.968

Trichromacy



Original Color
46, 8.237, 239.509

Protanomaly
46, 6.338, 269.425

Deuteranomaly
46, 7.759, 285.512

Tritanomaly
46, 7.902, 235.968

Monochromacy



Original Color
46, 8.237, 239.509

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 3.279, 232.284

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 8.237, 239.509 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(95, 112, 121)` looks like.

```
.text, #text, p{  
    color:rgb(95, 112, 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(95, 112, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 112, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 8.237, 239.509 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(95, 112, 121) }
```

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

```
.border{ border-color:rgb(95, 112, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 112, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 112, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 112, 121);  
box-shadow:4px 4px 4px 4px rgb(95, 112,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 8.237, 239.509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 112, 121) }
```

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

```
.background{ background-color: rgb(95, 112,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor