

Converting Colors

CIELCh(46, 12.700, 223.849)

Have a look what the booklet for
CIELCh(46, 12.700, 223.849)
contains.

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Color

CIELCh(46, 12.564, 223.647)

Conversions

Conversions Part 1

Format	Color
Hex	52727B
RGB	82, 114, 123
RGB Percent	32%, 45%, 48%
CMY	0.6783, 0.5528, 0.5175
CMYK	0.33, 0.07, 0.00, 0.52
HSL	193°, 20%, 40%
HSV	193°, 33%, 48%
XYZ	13.0811, 15.2687, 21.0081
YIQ	105.4580, -21.9610, -3.9850

Conversions

Conversions Part 2

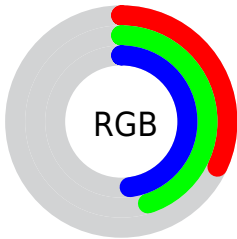
Format	Color
R_{YB}	82, 100, 123
Decimal	5403259
CIE Lab	46.00, -9.09, -8.67
CIE LCh	46, 12.564, 223.647
Yxy	15.2687, 0.2650, 0.3093
Android (android.graphics.Color)	4283593339 (0xFF52727B)
YUV	105.4580, 8.6482, -20.5727
Hunter-Lab	39.0751, -8.6254, -4.5237

Details

The CIELCh color **46, 12.564, 223.647** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **42, 15.638, 41.204**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 12.441, 222.301**, and **26, 12.534, 222.706** is the 20% darker color. If you saturate the color by 10%, you get **44, 15.712, 224.657**, and if you desaturate by 10%, it is **48, 9.086, 222.885**.

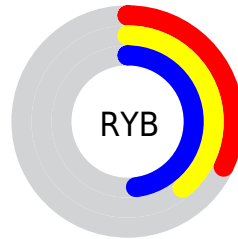
Distribution



Red (32%)

Green (45%)

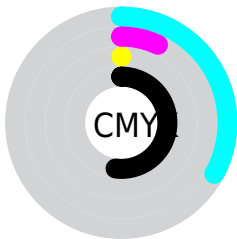
Blue (48%)



Red (32%)

Yellow (39%)

Blue (48%)

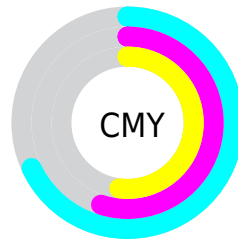


Cyan (33%)

Magenta (7%)

Yellow (0%)

Black (52%)



Cyan (68%)


Magenta (55%)

Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 12.564, 223.647 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, 12.564, 223.647 by changing the saturation by 10% instead.

 46, 12.564,
223.647


 46, 12.564,
223.647


 100, 12.564,
223.647


 36, 12.564,
223.647

 66, 12.564,
223.647


 26, 12.564,
223.647

 76, 12.564,
223.647

 16, 12.564,
223.647


 86, 12.564,
223.647

 6, 12.564, 223.647

 96, 12.564,
223.647

 0, 12.564, 223.647

 46, 12.564,

 46, 12.564,

223.647

■ 44, 15.712,
224.657

■ 43, 18.479,
225.987

■ 42, 20.817,
227.701

■ 40, 22.702,
229.876

■ 39, 24.134,
232.590

■ 38, 25.161,
235.892

■ 37, 25.793,
238.172

223.647

■ 48, 9.086, 222.885

■ 49, 5.335, 222.346

■ 51, 1.363, 222.141

■ 53, 2.784, 41.444

■ 55, 7.063, 41.339

■ 57, 11.442, 41.248

■ 59, 15.891, 41.204

■ 61, 20.388, 41.202

■ 63, 24.912, 41.233

Harmonies

Complementary

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



46, 12.564, 223.647



42, 15.638, 41.204

Rectangle

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



46, 12.564, 223.647



46, 12.564, 273.647



46, 12.564, 43.647



46, 12.564, 93.647

Sweetspot

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



46, 12.564, 223.643



64, 5.019, 222.225



48, 25.196, 148.632



33, 3.441, 222.267



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46, 12.564, 223.643



58, 18.220, 224.394



40, 18.248, 279.777



25, 2.269, 222.186



38, 26.086, 238.244



74, 44.277, 240.701

Inverse Universe

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



40, 25.275, 333.321



50, 37.532, 333.847



47, 18.031, 90.921



24, 4.232, 331.734



27, 57.814, 338.916



57, 96.517, 339.636

Previews

White Background



This preview shows how the CIELCh color 46, 12.564, 223.647 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 CIE LCh color 46, 12.564, 223.647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

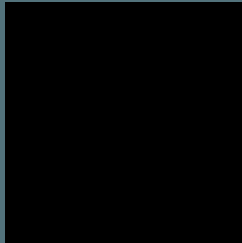
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 12.564, 223.647

Background



This preview shows how black text looks on a background with the CIELCh color 46, 12.564, 223.647.



This preview shows how white text looks on a background with the CIELCh color 46, 12.564, 223.647.

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, 12.564, 223.647

Protanopia

46, 6.550, 287.660

Deuteranopia

46, 11.516, 301.366



Tritanopia
46, 12.564, 223.647

Trichromacy



Original Color
46, 12.564, 223.647

Protanomaly
46, 7.411, 252.708

Deuteranomaly
46, 9.462, 270.315

Tritanomaly
46, 12.564, 223.647

Monochromacy



Original Color
46, 12.564, 223.647

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 4.893, 228.317

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 12.564, 223.647 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(82, 114, 123)` looks like.

```
.text, #text, p{  
    color:rgb(82, 114, 123)  
}
```

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(82, 114, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 114, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 12.564, 223.647 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(82, 114, 123) }
```

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

```
.border{ border-color:rgb(82, 114, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 114, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 114, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 114, 123);  
box-shadow:4px 4px 4px 4px rgb(82, 114,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 12.564, 223.647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 114, 123) }
```

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

```
.background{ background-color: rgb(82, 114,  
123) }
```

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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