

Converting Colors

CIELCh(46, 12.991, 224.823)

Have a look what the booklet for
CIELCh(46, 12.991, 224.823)
contains.

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Color

CIELCh(46, 13.044, 225.565)

Conversions

Conversions Part 1

Format	Color
Hex	51727C
RGB	81, 114, 124
RGB Percent	32%, 45%, 49%
CMY	0.6820, 0.5525, 0.5133
CMYK	0.35, 0.08, 0.00, 0.51
HSL	194°, 21%, 40%
HSV	194°, 35%, 49%
XYZ	13.0749, 15.2687, 21.3603
YIQ	105.2730, -22.8780, -3.8860

Conversions

Conversions Part 2

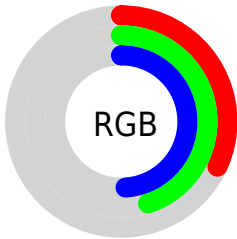
Format	Color
R_{YB}	81, 100, 124
Decimal	5337724
CIE _{Lab}	46.00, -9.13, -9.31
CIE _{LCh}	46, 13.044, 225.565
Yxy	15.2687, 0.2631, 0.3072
Android (android.graphics.Color)	4283527804 (0xFF51727C)
YUV	105.2730, 9.2324, -21.2874
Hunter-Lab	39.0751, -8.6536, -5.0581

Details

The CIELCh color $46, 13.044, 225.565$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $42, 16.352, 42.534$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 13.115, 226.396$, and $26, 12.957, 225.089$ is the 20% darker color. If you saturate the color by 10%, you get $44, 16.169, 226.710$, and if you desaturate by 10%, it is $48, 9.589, 224.689$.

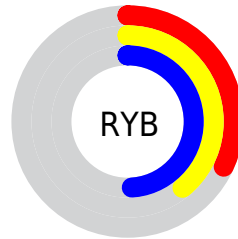
Distribution



Red (32%)

Green (45%)

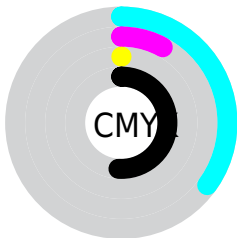
Blue (49%)



Red (32%)

Yellow (39%)

Blue (49%)

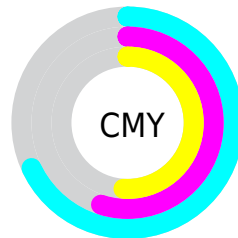


Cyan (35%)

Magenta (8%)

Yellow (0%)

Black (51%)



Cyan (68%)


Magenta (55%)


Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 13.044, 225.565 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, 13.044, 225.565 by changing the saturation by 10% instead.


 46, 13.044,
225.565


 46, 13.044,
225.565


 100, 13.044,
225.565


 36, 13.044,
225.565

 66, 13.044,
225.565


 26, 13.044,
225.565

 76, 13.044,
225.565

 16, 13.044,
225.565

 86, 13.044,
225.565

 6, 13.044, 225.565

 96, 13.044,
225.565

 0, 13.044, 225.565

 46, 13.044,

 46, 13.044,

225.565

■ 44, 16.169,
226.710

■ 43, 18.913,
228.198

■ 42, 21.235,
230.100

■ 40, 23.113,
232.496

■ 39, 24.557,
235.461

■ 38, 25.635,
239.014

■ 37, 26.197,
240.932

225.565

■ 48, 9.589, 224.689

■ 49, 5.858, 224.049

■ 51, 1.903, 223.690

■ 53, 2.228, 42.967

■ 55, 6.496, 42.827

■ 57, 10.865, 42.683

■ 59, 15.306, 42.591

■ 61, 19.797, 42.544

■ 63, 24.318, 42.533

Harmonies

Complementary

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



46, 13.044, 225.565



42, 16.352, 42.534

Rectangle

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



46, 13.044, 225.565



46, 13.044, 275.565



46, 13.044, 45.565



46, 13.044, 95.565

Sweetspot

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



46, 13.044, 225.561



64, 4.992, 223.840



48, 26.369, 148.503



33, 3.423, 223.890



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, 13.044, 225.561



57, 18.915, 226.498



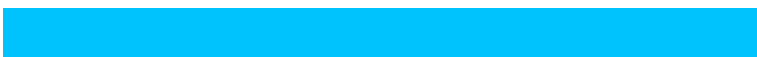
40, 19.136, 280.030



25, 2.257, 223.793



38, 26.329, 240.965



73, 44.799, 243.534

Inverse Universe

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



40, 26.213, 333.921



49, 38.973, 334.514



48, 18.894, 90.750



24, 4.193, 332.213



27, 57.285, 339.715



57, 95.598, 340.498

Previews

White Background



This preview shows how the CIE LCh color 46, 13.044, 225.565 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, 13.044, 225.565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

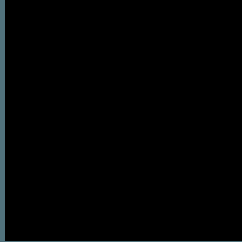
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

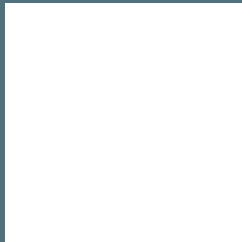
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 13.044, 225.565

Background



This preview shows how black text looks on a background with the CIELCh color 46, 13.044, 225.565.



This preview shows how white text looks on a background with the CIELCh color 46, 13.044, 225.565.

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, 13.044, 225.565

Protanopia

46, 7.143, 288.037

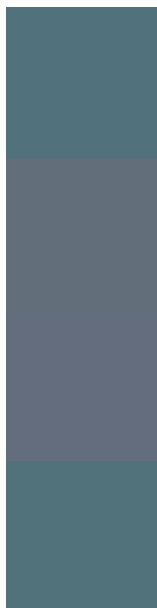
Deuteranopia

46, 12.102, 300.939



Tritanopia
46, 12.855, 223.006

Trichromacy



Original Color
46, 13.044, 225.565

Protanomaly
46, 7.874, 255.563

Deuteranomaly
46, 10.013, 271.688

Tritanomaly
46, 12.855, 223.006

Monochromacy



Original Color
46, 13.044, 225.565

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 5.229, 226.239

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 13.044, 225.565 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(81, 114, 124)` looks like.

```
.text, #text, p{  
    color:rgb(81, 114, 124)  
}
```

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(81, 114, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 114, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 13.044, 225.565 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(81, 114, 124) }
```

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

```
.border{ border-color:rgb(81, 114, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 114, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 114, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 114, 124);  
box-shadow:4px 4px 4px 4px rgb(81, 114,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 13.044, 225.565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 114, 124) }
```

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

```
.background{ background-color: rgb(81, 114,  
124) }
```

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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