

Converting Colors

CIELCh(46, 4.009, 228.151)

Have a look what the booklet for
CIELCh(46, 4.009, 228.151) contains.

CIELCh(46, 3.944, 226.032)	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, 3.944, 226.032)

Conversions

Conversions Part 1

Format	Color
Hex	666F72
RGB	102, 111, 114
RGB Percent	40%, 44%, 45%
CMY	0.6018, 0.5665, 0.5548
CMYK	0.11, 0.03, 0.00, 0.55
HSL	195°, 6%, 42%
HSV	195°, 11%, 45%
XYZ	14.0709, 15.2687, 17.9849
YIQ	108.6510, -6.3270, -0.9750

Conversions

Conversions Part 2

Format	Color
R _Y B	102, 107, 114
Decimal	6713202
CIE Lab	46.00, -2.74, -2.84
CIE LCh	46, 3.944, 226.032
Yxy	15.2687, 0.2973, 0.3226
Android (android.graphics.Color)	4284903282 (0xFF666F72)
YUV	108.6510, 2.6371, -5.8329
Hunter-Lab	39.0751, -4.1040, 0.0636

Details

The CIELCh color $46, 3.944, 226.032$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $45, 4.184, 44.893$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 4.039, 223.538$, and $26, 3.907, 229.244$ is the 20% darker color. If you saturate the color by 10%, you get $44, 7.491, 226.641$, and if you desaturate by 10%, it is $48, 0.217, 227.027$.

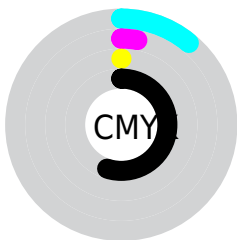
Distribution



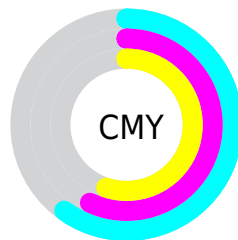
- Red (40%)
- Green (44%)
- Blue (45%)



- Red (40%)
- Yellow (42%)
- Blue (45%)



- Cyan (11%)
- Magenta (3%)
- Yellow (0%)
- Black (55%)



- Cyan (60%)
- Magenta (57%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 3.944, 226.032 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, 3.944, 226.032 by changing the saturation by 10% instead.

■ 46, 3.944, 226.032

■ 46, 3.944, 226.032

■ 100, 3.944,
226.032

■ 36, 3.944, 226.032

■ 66, 3.944, 226.032

■ 26, 3.944, 226.032

■ 76, 3.944, 226.032

■ 16, 3.944, 226.032

■ 86, 3.944, 226.032

■ 6, 3.944, 226.032

■ 96, 3.944, 226.032

■ 0, 3.944, 226.032

■ 46, 3.944, 226.032

■ 46, 3.944, 226.032

■ 44, 7.491, 226.641

■ 48, 0.217, 227.027

■ 43, 10.814,
227.501

■ 50, 3.652, 44.944

41, 13.866,
228.624

51, 7.628, 44.717

40, 16.601,
230.068

53, 11.684, 44.534

38, 18.978,
231.905

55, 15.796, 44.406

37, 20.972,
234.211

59, 24.116, 44.276

36, 22.579,
237.065

61, 28.295, 44.258

34, 23.833,
240.528

63, 32.474, 44.261

33, 24.902,
244.001

Harmonies

Complementary

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



46, 3.944, 226.032



45, 4.184, 44.893

Rectangle

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



46, 3.944, 226.032



46, 3.944, 276.032



46, 3.944, 46.032



46, 3.944, 96.032

Sweetspot

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



46, 3.944, 226.014



61, 1.415, 225.831



47, 7.367, 151.079



31, 1.064, 225.809



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



46, 3.944, 226.014



58, 5.990, 226.164



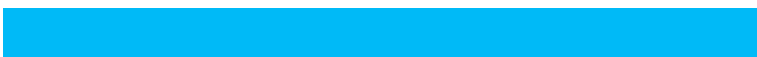
44, 5.390, 277.382



23, 2.087, 225.939



35, 25.920, 244.294



71, 44.930, 247.149

Inverse Universe

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



44, 7.309, 332.956



56, 11.191, 333.139



47, 5.356, 94.877



22, 3.849, 332.852



26, 54.976, 340.735



55, 92.990, 341.655

Previews

White Background



This preview shows how the CIELCh color 46, 3.944, 226.032 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, 3.944, 226.032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

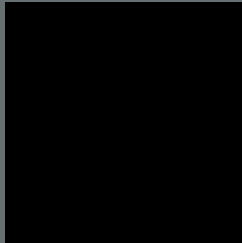
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

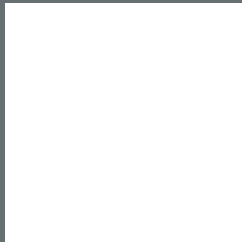
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 3.944, 226.032

Background



This preview shows how black text looks on a background with the CIELCh color 46, 3.944, 226.032.



This preview shows how white text looks on a background with the CIELCh color 46, 3.944, 226.032.

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, 3.944, 226.032

Protanopia

46, 2.527, 309.185

Deuteranopia

46, 6.993, 330.419



Tritanopia
46, 5.621, 257.193

Trichromacy



Original Color

46, 3.944, 226.032

Protanomaly

46, 2.499, 271.823

Deuteranomaly

46, 3.785, 309.267

Tritanomaly

46, 4.696, 248.757

Monochromacy



Original Color

46, 3.944, 226.032

Achromatopsia

46, 0.006, 296.813

Achromatomaly

46, 1.343, 225.832

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 3.944, 226.032 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(102, 111, 114)` looks like.

```
.text, #text, p{  
    color:rgb(102, 111, 114)  
}
```

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(102, 111, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 111, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 3.944, 226.032 is called "border". The border property can be set on classes, ids or directly on the HTML element.

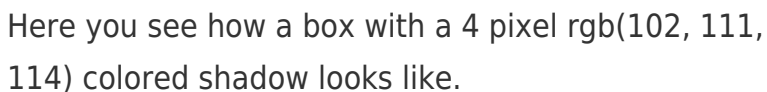
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(102, 111, 114) }
```

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

```
.border{ border-color:rgb(102, 111, 114) }
```

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



Here you see how a box with a 4 pixel `rgb(102, 111, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(102, 111, 114); -webkit-box-shadow:4px 4px 4px 4px rgb(102, 111, 114); box-shadow:4px 4px 4px 4px rgb(102, 111, 114) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 3.944, 226.032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 111, 114) }
```

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

```
.background{ background-color: rgb(102,  
111, 114) }
```

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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