

Converting Colors

CIELCh(46, 33.819, 275.652)

Have a look what the booklet for
CIELCh(46, 33.819, 275.652)
contains.

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Color

CIELCh(46, 33.819, 275.652)

Conversions

Conversions Part 1

Format	Color
Hex	486EA5
RGB	72, 110, 165
RGB Percent	28%, 43%, 65%
CMY	0.7173, 0.5683, 0.3526
CMYK	0.56, 0.33, 0.00, 0.35
HSL	215°, 39%, 47%
HSV	215°, 56%, 65%
XYZ	15.0618, 15.2687, 37.7897
YIQ	104.9080, -40.3030, 9.0490

Conversions

Conversions Part 2

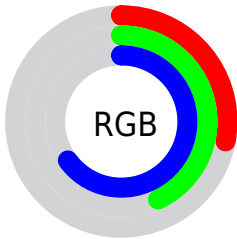
Format	Color
R _Y B	72, 99, 165
Decimal	4746917
CIE Lab	46.00, 3.33, -33.65
CIE LCh	46, 33.819, 275.652
Yxy	15.2687, 0.2211, 0.2241
Android (android.graphics.Color)	4282936997 (0xFF486EA5)
YUV	104.9080, 29.6254, -28.8603
Hunter-Lab	39.0751, 0.4227, -29.9869

Details

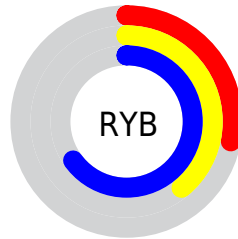
The CIELCh color **46, 33.819, 275.652** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **56, 36.136, 77.145**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 33.796, 275.850**, and **26, 33.883, 275.609** is the 20% darker color. If you saturate the color by 10%, you get **42, 39.954, 278.779**, and if you desaturate by 10%, it is **50, 27.748, 272.935**.

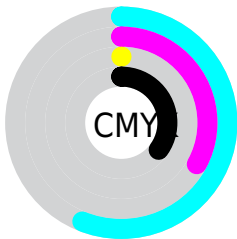
Distribution



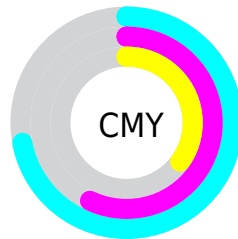
- Red (28%)
- Green (43%)
- Blue (65%)



- Red (28%)
- Yellow (39%)
- Blue (65%)



- Cyan (56%)
- Magenta (33%)
- Yellow (0%)
- Black (35%)



- Cyan (72%)
- Magenta (57%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 33.819, 275.652 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, 33.819, 275.652 by changing the saturation by 10% instead.

■ 46, 33.819,
275.652

■ 46, 33.819,
275.652

■ 100, 33.819,
275.652

■ 36, 33.819,
275.652

■ 66, 33.819,
275.652

■ 26, 33.819,
275.652

■ 76, 33.819,
275.652

■ 16, 33.819,
275.652

■ 86, 33.819,
275.652

■ 6, 33.819, 275.652

■ 96, 33.819,
275.652

■ 0, 33.819, 275.652

■ 46, 33.819,

■ 46, 33.819,

275.652

■ 42, 39.954,
278.779

■ 39, 46.196,
282.299

■ 35, 52.589,
286.133

■ 32, 59.147,
290.099

■ 31, 61.600,
291.453

275.652

■ 50, 27.748,
272.935

■ 54, 21.715,
270.602

■ 57, 15.706,
268.614

■ 61, 9.720, 266.924

■ 65, 3.762, 265.513

■ 69, 2.161, 84.078

■ 73, 8.039, 83.088

■ 77, 13.864, 82.164

■ 81, 19.628, 81.349

Harmonies

Complementary

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



46, 33.819, 275.652



56, 36.136, 77.145

Rectangle

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



46, 33.819, 275.652



46, 33.819, 325.652



46, 33.819, 95.652



46, 33.819, 145.652

Sweetspot

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



46, 33.818, 275.653



77, 12.510, 267.078



62, 38.889, 162.188



40, 8.356, 267.379



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



46, 33.818, 275.653



54, 50.692, 279.766



36, 57.323, 300.509



33, 3.330, 265.894



27, 55.478, 290.995



2, 5.374, 268.082

Inverse Universe

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



44, 42.544, 355.978



52, 61.391, 358.906



65, 49.049, 108.981



32, 4.163, 349.659



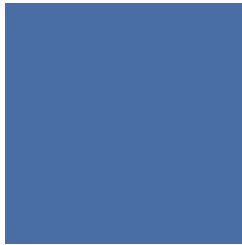
30, 55.633, 9.765



1, 6.240, 351.290

Previews

White Background



This preview shows how the CIELCh color 46, 33.819, 275.652 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, 33.819, 275.652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

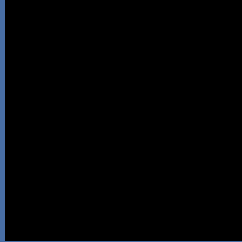
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

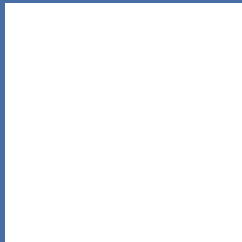
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 33.819, 275.652

Background



This preview shows how black text looks on a background with the CIELCh color 46, 33.819, 275.652.

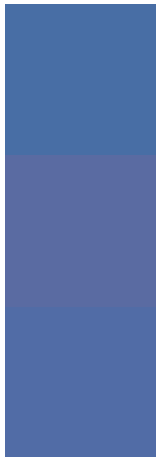


This preview shows how white text looks on a background with the CIELCh color 46, 33.819, 275.652.

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, 33.819, 275.652

Protanopia

46, 32.862, 285.247

Deuteranopia

46, 34.951, 281.524



Tritanopia
46, 20.202, 212.918

Trichromacy



Original Color
46, 33.819, 275.652

Protanomaly
46, 33.163, 281.339

Deuteranomaly
46, 34.548, 279.411

Tritanomaly
46, 21.895, 243.494

Monochromacy



Original Color
46, 33.819, 275.652

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 12.838, 268.280

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 33.819, 275.652 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(72, 110, 165)` looks like.

```
.text, #text, p{  
    color:rgb(72, 110, 165)  
}
```

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(72, 110, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 110, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 33.819, 275.652 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(72, 110, 165) }
```

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

```
.border{ border-color:rgb(72, 110, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 110, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 110, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 110, 165);  
box-shadow:4px 4px 4px 4px rgb(72, 110,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 33.819, 275.652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 110, 165) }
```

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

```
.background{ background-color: rgb(72, 110,  
165) }
```

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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