

Converting Colors

CIELCh(44, 48.975, 279.377)

Have a look what the booklet for
CIELCh(44, 48.975, 279.377)
contains.

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Color

CIELCh(44, 49.465, 279.795)

Conversions

Conversions Part 1

Format	Color
Hex	2468B9
RGB	36, 104, 185
RGB Percent	14%, 41%, 73%
CMY	0.8606, 0.5911, 0.2733
CMYK	0.81, 0.44, 0.00, 0.27
HSL	212°, 68%, 43%
HSV	212°, 81%, 73%
XYZ	14.4790, 13.8382, 47.9786
YIQ	92.9020, -66.5290, 10.7750

Conversions

Conversions Part 2

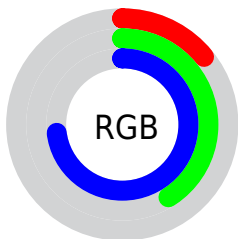
Format	Color
R_{YB}	36, 83, 185
Decimal	2386105
CIE _{Lab}	44.00, 8.42, -48.74
CIE _{LCh}	44, 49.465, 279.795
Yxy	13.8382, 0.1898, 0.1814
Android (android.graphics.Color)	4280576185 (0xFF2468B9)
YUV	92.9020, 45.4043, -49.9031
Hunter-Lab	37.1997, 4.3766, -50.4298

Details

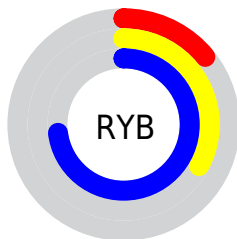
The CIELCh color **44, 49.465, 279.795** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **55, 56.558, 68.548**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 49.418, 279.819**, and **26, 47.811, 287.885** is the 20% darker color. If you saturate the color by 10%, you get **41, 55.711, 284.000**, and if you desaturate by 10%, it is **48, 43.355, 275.901**.

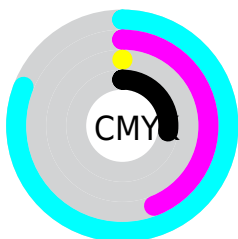
Distribution



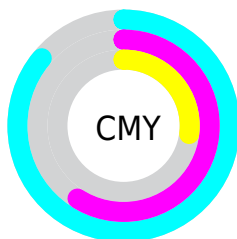
- Red (14%)
- Green (41%)
- Blue (73%)



- Red (14%)
- Yellow (33%)
- Blue (73%)



- Cyan (81%)
- Magenta (44%)
- Yellow (0%)
- Black (27%)




- Cyan (86%)
- Magenta (59%)
- Yellow (27%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 49.465, 279.795 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 44, 49.465, 279.795 by changing the saturation by 10% instead.


 44, 49.465,
279.795


 44, 49.465,
279.795


 100, 49.465,
279.795

 34, 49.465,
279.795

 64, 49.465,
279.795

 24, 49.465,
279.795

 74, 49.465,
279.795

 14, 49.465,
279.795

 84, 49.465,
279.795

 4, 49.465, 279.795

 94, 49.465,
279.795

 0, 49.465, 279.795

 44, 49.465,

 44, 49.465,

279.795

■ 41, 55.711,
284.000

■ 38, 61.625,
287.855

279.795

■ 48, 43.355,
275.901

■ 51, 37.312,
272.426

■ 55, 31.274,
269.404

■ 59, 25.204,
266.819

■ 63, 19.086,
264.627

■ 67, 12.924,
262.776

■ 71, 6.728, 261.223

■ 75, 0.515, 260.450

Harmonies

Complementary

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



44, 49.465, 279.795



55, 56.558, 68.548

Rectangle

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



44, 49.465, 279.795



44, 49.465, 329.795



44, 49.465, 99.795



44, 49.465, 149.795

Sweetspot

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



44, 49.465, 279.796



83, 18.351, 263.401



67, 59.248, 155.006



42, 12.589, 264.060



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



44, 49.465, 279.796



50, 73.599, 287.343



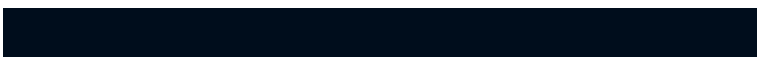
27, 91.828, 304.211



37, 3.498, 261.017



32, 53.398, 287.233



3, 10.609, 270.462

Inverse Universe

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



42, 61.939, 358.523



52, 80.095, 5.426



73, 70.469, 105.177



36, 4.739, 346.678



33, 58.379, 5.263



2, 11.943, 353.133

Previews

White Background



This preview shows how the CIE LCh color 44, 49.465, 279.795 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 44, 49.465, 279.795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

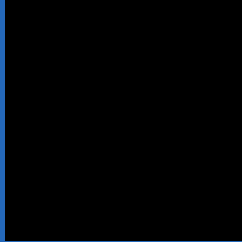
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

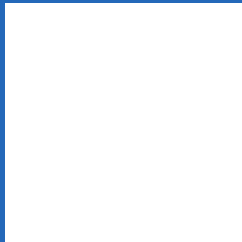
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 44, 49.465, 279.795

Background



This preview shows how black text looks on a background with the CIELCh color 44, 49.465, 279.795.



This preview shows how white text looks on a background with the CIELCh color 44, 49.465, 279.795.

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

44, 49.440, 279.919

Protanopia

44, 48.679, 286.224

Deuteranopia

44, 49.162, 277.908



Tritanopia
44, 26.936, 207.010

Trichromacy



Original Color
44, 49.440, 279.919

Protanomaly
44, 48.968, 283.552

Deuteranomaly
44, 49.062, 278.370

Tritanomaly
44, 29.254, 244.190

Monochromacy



Original Color
44, 49.440, 279.919

Achromatopsia
39, 0.006, 296.813

Achromatomaly
40, 19.738, 267.534

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 49.465, 279.795 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(36, 104, 185)` looks like.

```
.text, #text, p{  
    color:rgb(36, 104, 185)  
}
```

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(36, 104, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 104, 185) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 49.465, 279.795 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(36, 104, 185) }
```

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

```
.border{ border-color:rgb(36, 104, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 104, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 104, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 104, 185);  
box-shadow:4px 4px 4px 4px rgb(36, 104,  
185) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 49.465, 279.795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 104, 185) }
```

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

```
.background{ background-color: rgb(36, 104,  
185) }
```

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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