

Converting Colors

CIELCh(44, 35.424, 246.456)

Have a look what the booklet for
CIELCh(44, 35.424, 246.456)
contains.

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Color

CIELCh(45, 32.928, 251.665)

Conversions

Conversions Part 1

Format	Color
Hex	04729E
RGB	4, 114, 158
RGB Percent	2%, 45%, 62%
CMY	0.9850, 0.5528, 0.3799
CMYK	0.98, 0.28, 0.00, 0.38
HSL	197°, 95%, 32%
HSV	197°, 98%, 62%
XYZ	12.2515, 14.5417, 34.5611
YIQ	86.1260, -79.6840, -9.6360

Conversions

Conversions Part 2

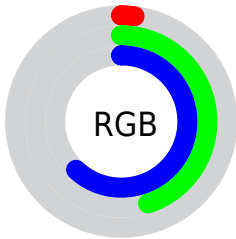
Format	Color
RYB	4, 68, 158
Decimal	291486
CIELab	45.00, -10.36, -31.26
CIELCh	45, 32.928, 251.665
Yxy	14.5417, 0.1997, 0.2370
Android (android.graphics.Color)	4278481566 (0xFF04729E)
YUV	86.1260, 35.4339, -72.0245
Hunter-Lab	38.1336, -9.3858, -27.0420

Details

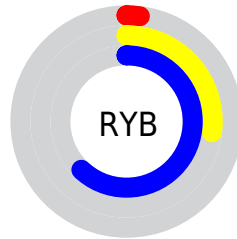
The CIELCh color **45, 32.928, 251.665** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **37, 64.721, 47.076**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 32.922, 251.395**, and **27, 28.469, 266.215** is the 20% darker color. If you saturate the color by 10%, you get **45, 33.357, 252.741**, and if you desaturate by 10%, it is **47, 31.207, 247.167**.

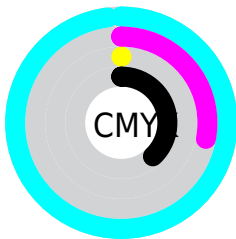
Distribution



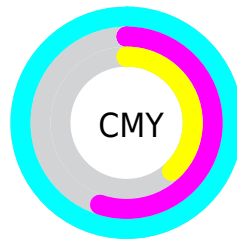
- Red (2%)
- Green (45%)
- Blue (62%)



- Red (2%)
- Yellow (27%)
- Blue (62%)



- Cyan (98%)
- Magenta (28%)
- Yellow (0%)
- Black (38%)



- Cyan (99%)
- Magenta (55%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 32.928, 251.665 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 45, 32.928, 251.665 by changing the saturation by 10% instead.


 45, 32.928,
251.665


 45, 32.928,
251.665


 100, 32.928,
251.665


 35, 32.928,
251.665

 65, 32.928,
251.665


 25, 32.928,
251.665

 75, 32.928,
251.665

 15, 32.928,
251.665

 85, 32.928,
251.665

 5, 32.928, 251.665

 95, 32.928,
251.665

 0, 32.928, 251.665

 45, 32.928,

 45, 32.928,

251.665

■ 45, 33.357,
252.741

251.665

■ 47, 31.207,
247.167

■ 48, 29.223,
243.239

■ 50, 26.835,
239.974

■ 52, 23.990,
237.318

■ 54, 20.685,
235.190

■ 56, 16.950,
233.503

■ 59, 12.836,
232.178

■ 61, 8.401, 231.148

Harmonies

Complementary

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



45, 32.928, 251.665



37, 64.721, 47.076

Rectangle

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



45, 32.928, 251.665



45, 32.928, 301.665



45, 32.928, 71.665



45, 32.928, 121.665

Sweetspot

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



45, 32.927, 251.666



74, 16.684, 232.416



57, 73.579, 141.296



38, 11.397, 232.937



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



45, 32.927, 251.666



58, 41.002, 253.805



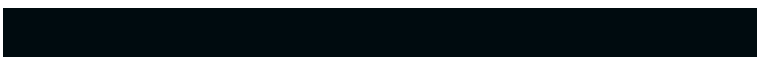
23, 77.640, 300.953



32, 2.754, 230.497



40, 30.853, 252.264



2, 3.663, 234.194

Inverse Universe

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



35, 65.087, 343.204



46, 79.374, 343.994



54, 58.853, 86.999



31, 4.998, 334.287



31, 60.735, 343.425



1, 6.328, 335.150

Previews

White Background



This preview shows how the CIE LCh color 45, 32.928, 251.665 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 45, 32.928, 251.665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

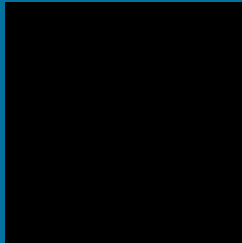
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 32.928, 251.665

Background



This preview shows how black text looks on a background with the CIELCh color 45, 32.928, 251.665.

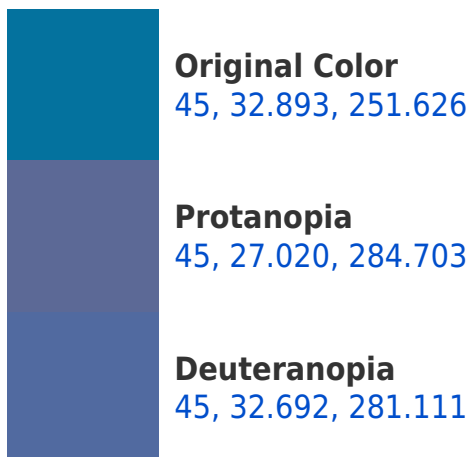


This preview shows how white text looks on a background with the CIELCh color 45, 32.928, 251.665.

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





Tritanopia
45, 27.392, 208.099

Trichromacy



Original Color
45, 32.893, 251.626

Protanomaly
44, 29.442, 265.947

Deuteranomaly
45, 32.525, 266.575

Tritanomaly
45, 27.567, 224.419

Monochromacy



Original Color
45, 32.893, 251.626

Achromatopsia
37, 0.005, 296.813

Achromatomaly
39, 16.338, 235.353

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 32.928, 251.665 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(4, 114, 158)` looks like.

```
.text, #text, p{  
    color:rgb(4, 114, 158)  
}
```

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(4, 114, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 114, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 32.928, 251.665 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(4, 114, 158) }
```

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

```
.border{ border-color:rgb(4, 114, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 114, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 114, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 114, 158);  
box-shadow:4px 4px 4px 4px rgb(4, 114,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 32.928, 251.665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 114, 158) }
```

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

```
.background{ background-color: rgb(4, 114,  
158) }
```

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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