

Converting Colors

CIELCh(45, 23.731, 248.377)

Have a look what the booklet for
CIELCh(45, 23.731, 248.377)
contains.

CIELCh(45, 23.977, 249.321)	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(45, 23.977, 249.321)

Conversions

Conversions Part 1

Format	Color
Hex	39708F
RGB	57, 112, 143
RGB Percent	22%, 44%, 56%
CMY	0.7749, 0.5594, 0.4378
CMYK	0.60, 0.22, 0.00, 0.44
HSL	202°, 43%, 39%
HSV	202°, 60%, 56%
XYZ	12.5287, 14.5417, 28.2794
YIQ	99.0890, -42.7310, -2.0190

Conversions

Conversions Part 2

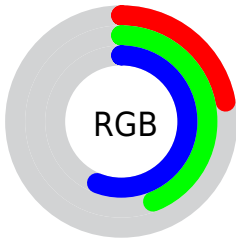
Format	Color
R_{YB}	57, 91, 143
Decimal	3764367
CIE _{Lab}	45.00, -8.47, -22.43
CIE _{LCh}	45, 23.977, 249.321
Yxy	14.5417, 0.2264, 0.2627
Android (android.graphics.Color)	4281954447 (0xFF39708F)
YUV	99.0890, 21.6481, -36.9121
Hunter-Lab	38.1336, -8.0879, -17.2752

Details

The CIELCh color **45, 23.977, 249.321** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **43, 33.494, 54.560**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 23.884, 249.148**, and **25, 23.119, 254.519** is the 20% darker color. If you saturate the color by 10%, you get **43, 27.045, 252.534**, and if you desaturate by 10%, it is **47, 20.609, 246.661**.

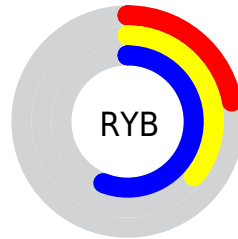
Distribution



Red (22%)

Green (44%)

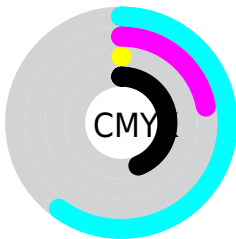
Blue (56%)



Red (22%)

Yellow (36%)

Blue (56%)

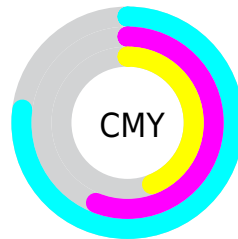


Cyan (60%)

Magenta (22%)

Yellow (0%)

Black (44%)



Cyan (77%)


Magenta (56%)


Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 23.977, 249.321 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, 23.977, 249.321 by changing the saturation by 10% instead.


 45, 23.977,
249.321


 45, 23.977,
249.321


 100, 23.977,
249.321


 35, 23.977,
249.321

 65, 23.977,
249.321


 25, 23.977,
249.321

 75, 23.977,
249.321

 15, 23.977,
249.321

 85, 23.977,
249.321

 5, 23.977, 249.321

 95, 23.977,
249.321

 0, 23.977, 249.321

 45, 23.977,

 45, 23.977,

249.321

■ 43, 27.045,
252.534

■ 41, 29.843,
256.348

■ 39, 32.443,
260.753

■ 37, 35.019,
265.406

■ 37, 35.029,
265.422

249.321

■ 47, 20.609,
246.661

■ 50, 16.947,
244.484

■ 52, 13.016,
242.712

■ 54, 8.853, 241.278

■ 57, 4.497, 240.139

■ 60, 0.014, 32.270

■ 62, 4.640, 58.221

■ 65, 9.354, 57.606

■ 67, 14.130, 57.076

Harmonies

Complementary

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



45, 23.977, 249.321



43, 33.494, 54.560

Rectangle

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



45, 23.977, 249.321



45, 23.977, 299.321



45, 23.977, 69.321



45, 23.977, 119.321

Sweetspot

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



45, 23.976, 249.321



70, 9.907, 241.078



53, 44.873, 150.341



36, 6.904, 241.416



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



45, 23.976, 249.321



54, 34.017, 253.815



32, 45.952, 293.314



29, 2.543, 240.062



35, 33.438, 265.115



1, 1.743, 239.110

Inverse Universe

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



38, 44.999, 342.122



45, 63.225, 343.931



54, 40.777, 96.657



28, 4.352, 337.458



29, 55.851, 348.869



1, 2.916, 336.849

Previews

White Background



This preview shows how the CIE LCh color 45, 23.977, 249.321 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, 23.977, 249.321 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, 23.977, 249.321

Background



This preview shows how black text looks on a background with the CIELCh color 45, 23.977, 249.321.



This preview shows how white text looks on a background with the CIELCh color 45, 23.977, 249.321.

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
45, 23.977, 249.321

Protanopia
45, 19.821, 284.705

Deuteranopia
45, 24.032, 284.511



Tritanopia
45, 21.439, 211.912

Trichromacy



Original Color
45, 23.977, 249.321

Protanomaly
45, 20.503, 268.609

Deuteranomaly
45, 22.826, 270.310

Tritanomaly
45, 21.395, 226.162

Monochromacy



Original Color
45, 23.977, 249.321

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 9.828, 241.370

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 23.977, 249.321 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(57, 112, 143)` looks like.

```
.text, #text, p{  
    color:rgb(57, 112, 143)  
}
```

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(57, 112, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 112, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 23.977, 249.321 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(57, 112, 143) }
```

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

```
.border{ border-color:rgb(57, 112, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 112, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 112, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 112, 143);  
box-shadow:4px 4px 4px 4px rgb(57, 112,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 23.977, 249.321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 112, 143) }
```

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

```
.background{ background-color: rgb(57, 112,  
143) }
```

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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