

Converting Colors

CIELCh(45, 23.871, 215.622)

Have a look what the booklet for
CIELCh(45, 23.871, 215.622)
contains.

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Color

CIELCh(45, 23.836, 216.348)

Conversions

Conversions Part 1

Format	Color
Hex	247481
RGB	36, 116, 129
RGB Percent	14%, 45%, 51%
CMY	0.8571, 0.5438, 0.4928
CMYK	0.72, 0.10, 0.00, 0.49
HSL	188°, 56%, 33%
HSV	188°, 72%, 51%
XYZ	11.0096, 14.5417, 23.1094
YIQ	93.5620, -51.8530, -12.9170

Conversions

Conversions Part 2

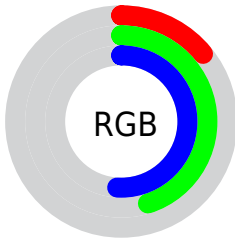
Format	Color
R_{YB}	36, 79, 129
Decimal	2389121
CIE _{Lab}	45.00, -19.20, -14.13
CIE _{LCh}	45, 23.836, 216.348
Yxy	14.5417, 0.2263, 0.2988
Android (android.graphics.Color)	4280579201 (0xFF247481)
YUV	93.5620, 17.4709, -50.4819
Hunter-Lab	38.1336, -15.1990, -9.2369

Details

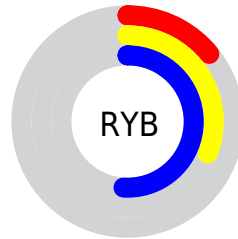
The CIELCh color **45, 23.836, 216.348** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **32, 42.344, 37.405**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 23.768, 216.965**, and **26, 18.858, 221.938** is the 20% darker color. If you saturate the color by 10%, you get **44, 25.180, 217.900**, and if you desaturate by 10%, it is **46, 21.927, 215.153**.

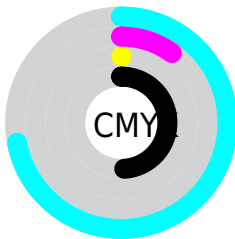
Distribution



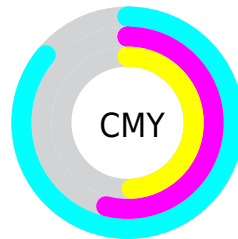
- Red (14%)
- Green (45%)
- Blue (51%)



- Red (14%)
- Yellow (31%)
- Blue (51%)



- Cyan (72%)
- Magenta (10%)
- Yellow (0%)
- Black (49%)





- Cyan (86%)
- Magenta (54%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 23.836, 216.348 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, 23.836, 216.348 by changing the saturation by 10% instead.


 45, 23.836,
216.348


 45, 23.836,
216.348


 100, 23.836,
216.348


 35, 23.836,
216.348

 65, 23.836,
216.348


 25, 23.836,
216.348

 75, 23.836,
216.348

 15, 23.836,
216.348

 85, 23.836,
216.348

 5, 23.836, 216.348

 95, 23.836,
216.348

 0, 23.836, 216.348

 45, 23.836,

 45, 23.836,

216.348

■ 44, 25.180,
217.900

■ 43, 25.985,
219.863

■ 43, 26.439,
221.634

216.348

■ 46, 21.927,
215.153

■ 47, 19.471,
214.264

■ 48, 16.507,
213.629

■ 49, 13.094,
213.204

■ 51, 9.298, 212.953

■ 52, 5.185, 212.859

■ 54, 0.819, 213.249

■ 55, 3.744, 32.712

■ 57, 8.455, 32.897

Harmonies

Complementary

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



45, 23.836, 216.348



32, 42.344, 37.405

Rectangle

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



45, 23.836, 216.348



45, 23.836, 266.348



45, 23.836, 36.348



45, 23.836, 86.348

Sweetspot

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



45, 23.835, 216.347



65, 11.600, 212.966



47, 56.493, 141.424



33, 7.702, 213.009



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



45, 23.835, 216.347



56, 31.197, 219.060



30, 37.893, 283.530



26, 2.460, 212.866



42, 26.171, 221.594



0, 0.000, 0.000

Inverse Universe

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



32, 54.649, 332.761



40, 73.482, 333.742



43, 38.544, 78.760



25, 4.632, 329.008



29, 62.163, 334.490



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 45, 23.836, 216.348 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 45, 23.836, 216.348 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

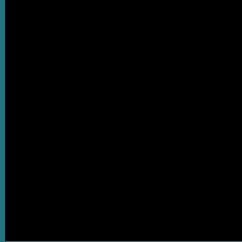
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 23.836, 216.348

Background



This preview shows how black text looks on a background with the CIELCh color 45, 23.836, 216.348.

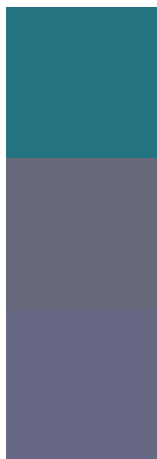


This preview shows how white text looks on a background with the CIELCh color 45, 23.836, 216.348.

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, 23.836, 216.348

Protanopia

45, 10.174, 287.284

Deuteranopia

45, 16.736, 291.240



Tritanopia
45, 24.246, 209.908

Trichromacy



Original Color
45, 23.836, 216.348

Protanomaly
44, 13.991, 242.012

Deuteranomaly
44, 16.633, 255.100

Tritanomaly
45, 24.096, 211.508

Monochromacy



Original Color
45, 23.836, 216.348

Achromatopsia
40, 0.006, 296.813

Achromatomaly
41, 11.165, 214.056

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 23.836, 216.348 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, 116, 129)` looks like.

```
.text, #text, p{  
    color:rgb(36, 116, 129)  
}
```

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, 116, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 116, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 23.836, 216.348 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, 116, 129) }
```

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

```
.border{ border-color:rgb(36, 116, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 116, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 116, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 116, 129);  
box-shadow:4px 4px 4px 4px rgb(36, 116,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 23.836, 216.348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 116, 129) }
```

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

```
.background{ background-color: rgb(36, 116,  
129) }
```

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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