

Converting Colors

CIELCh(45, 15.586, 236.092)

Have a look what the booklet for
CIELCh(45, 15.586, 236.092)
contains.

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Color

CIELCh(45, 15.592, 236.321)

Conversions

Conversions Part 1

Format	Color
Hex	4B7080
RGB	75, 112, 128
RGB Percent	29%, 44%, 50%
CMY	0.7073, 0.5622, 0.4994
CMYK	0.42, 0.13, 0.00, 0.50
HSL	198°, 26%, 40%
HSV	198°, 42%, 50%
XYZ	12.5023, 14.5417, 22.4462
YIQ	102.7610, -27.1880, -2.8680

Conversions

Conversions Part 2

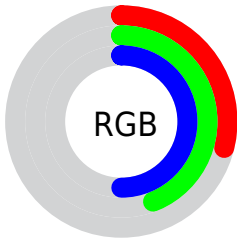
Format	Color
RYB	75, 97, 128
Decimal	4944000
CIELab	45.00, -8.65, -12.97
CIElCh	45, 15.592, 236.321
Yxy	14.5417, 0.2526, 0.2938
Android (android.graphics.Color)	4283134080 (0xFF4B7080)
YUV	102.7610, 12.4428, -24.3464
Hunter-Lab	38.1336, -8.2118, -8.2058

Details

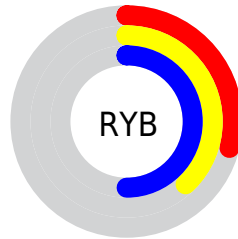
The CIELCh color $45, 15.592, 236.321$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $42, 20.032, 49.545$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 15.682, 235.802$, and $25, 15.624, 237.466$ is the 20% darker color. If you saturate the color by 10%, you get $43, 18.666, 238.202$, and if you desaturate by 10%, it is $47, 12.207, 234.816$.

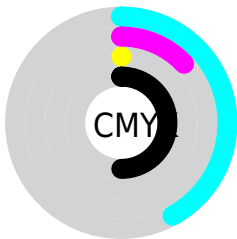
Distribution



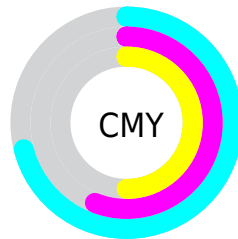
- Red (29%)
- Green (44%)
- Blue (50%)



- Red (29%)
- Yellow (38%)
- Blue (50%)



- Cyan (42%)
- Magenta (13%)
- Yellow (0%)
- Black (50%)





- Cyan (71%)
- Magenta (56%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 15.592, 236.321 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, 15.592, 236.321 by changing the saturation by 10% instead.


 45, 15.592,
236.321


 45, 15.592,
236.321


 100, 15.592,
236.321


 35, 15.592,
236.321

 65, 15.592,
236.321


 25, 15.592,
236.321

 75, 15.592,
236.321

 15, 15.592,
236.321

 85, 15.592,
236.321

 5, 15.592, 236.321

 95, 15.592,
236.321

 0, 15.592, 236.321

 45, 15.592,

 45, 15.592,

236.321

236.321

■ 43, 18.666,
238.202

■ 47, 12.207,
234.816

■ 41, 21.396,
240.546

■ 49, 8.556, 233.627

■ 40, 23.769,
243.431

■ 51, 4.683, 232.708

■ 53, 0.631, 232.447

■ 38, 25.799,
246.924

■ 55, 3.562, 51.168

■ 37, 27.544,
251.054

■ 57, 7.860, 50.746

■ 60, 12.237, 50.383

■ 35, 28.977,
254.707

■ 62, 16.668, 50.089

■ 64, 21.133, 49.853

Harmonies

Complementary

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



45, 15.592, 236.321



42, 20.032, 49.545

Rectangle

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



45, 15.592, 236.321



45, 15.592, 286.321



45, 15.592, 56.321



45, 15.592, 106.321

Sweetspot

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



45, 15.592, 236.319



65, 6.032, 232.768



49, 30.210, 150.801



34, 4.023, 232.854



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, 15.592, 236.319



56, 22.461, 238.129



37, 26.290, 286.533



26, 2.301, 232.528



35, 28.952, 254.701



0, 0.000, 0.000

Inverse Universe

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



39, 30.513, 337.355



47, 44.876, 338.191



49, 24.985, 95.692



25, 4.129, 334.917



27, 55.485, 344.334



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 45, 15.592, 236.321 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, 15.592, 236.321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

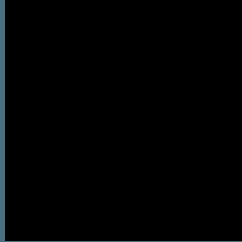
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

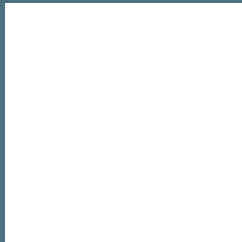
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 15.592, 236.321

Background



This preview shows how black text looks on a background with the CIELCh color 45, 15.592, 236.321.



This preview shows how white text looks on a background with the CIELCh color 45, 15.592, 236.321.

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, 15.592, 236.321

Protanopia

45, 10.769, 287.621

Deuteranopia

45, 14.961, 293.684



Tritanopia
45, 14.857, 219.334

Trichromacy



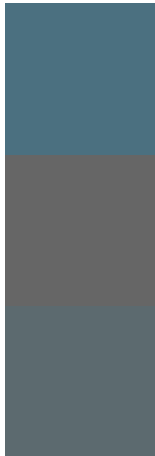
Original Color
45, 15.592, 236.321

Protanomaly
45, 11.776, 265.611

Deuteranomaly
45, 13.809, 271.933

Tritanomaly
45, 14.896, 224.398

Monochromacy



Original Color
45, 15.592, 236.321

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 6.158, 228.121

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 15.592, 236.321 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(75, 112, 128)` looks like.

```
.text, #text, p{  
    color:rgb(75, 112, 128)  
}
```

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(75, 112, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 112, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 15.592, 236.321 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(75, 112, 128) }
```

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

```
.border{ border-color:rgb(75, 112, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 112, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 112, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 112, 128);  
box-shadow:4px 4px 4px 4px rgb(75, 112,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 15.592, 236.321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 112, 128) }
```

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

```
.background{ background-color: rgb(75, 112,  
128) }
```

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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