

Converting Colors

CIELCh(45, 12.220, 227.869)

Have a look what the booklet for
CIELCh(45, 12.220, 227.869)
contains.

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Color

CIELCh(45, 12.216, 227.800)

Conversions

Conversions Part 1

Format	Color
Hex	516F79
RGB	81, 111, 121
RGB Percent	32%, 44%, 47%
CMY	0.6818, 0.5641, 0.5249
CMYK	0.33, 0.08, 0.00, 0.52
HSL	195°, 20%, 40%
HSV	195°, 33%, 48%
XYZ	12.5674, 14.5417, 20.2824
YIQ	103.1700, -21.0900, -3.2500

Conversions

Conversions Part 2

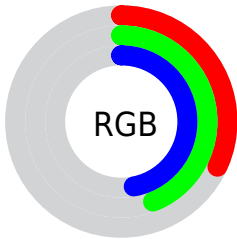
Format	Color
R_{YB}	81, 98, 121
Decimal	5336953
CIE Lab	45.00, -8.21, -9.05
CIE LCh	45, 12.216, 227.800
Yxy	14.5417, 0.2652, 0.3068
Android (android.graphics.Color)	4283527033 (0xFF516F79)
YUV	103.1700, 8.7902, -19.4431
Hunter-Lab	38.1336, -7.9070, -4.8416

Details

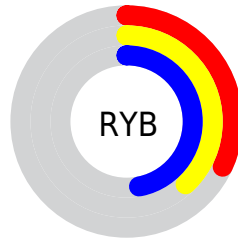
The CIELCh color $45, 12.216, 227.800$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $42, 15.050, 44.354$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 12.067, 226.173$, and $25, 12.199, 227.262$ is the 20% darker color. If you saturate the color by 10%, you get $43, 15.349, 229.010$, and if you desaturate by 10%, it is $47, 8.782, 226.864$.

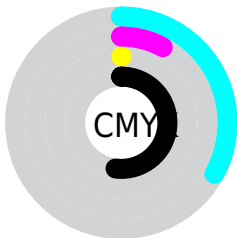
Distribution



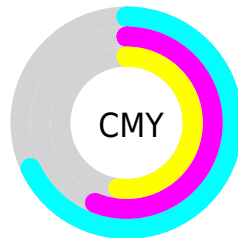
- Red (32%)
- Green (44%)
- Blue (47%)



- Red (32%)
- Yellow (38%)
- Blue (47%)



- Cyan (33%)
- Magenta (8%)
- Yellow (0%)
- Black (52%)




- Cyan (68%)
- Magenta (56%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 12.216, 227.800 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, 12.216, 227.800 by changing the saturation by 10% instead.


 45, 12.216,
227.800


 45, 12.216,
227.800


 100, 12.216,
227.800


 35, 12.216,
227.800


 65, 12.216,
227.800


 25, 12.216,
227.800


 75, 12.216,
227.800

 15, 12.216,
227.800

 85, 12.216,
227.800

 5, 12.216, 227.800

 95, 12.216,
227.800

 0, 12.216, 227.800

 45, 12.216,

 45, 12.216,

227.800

227.800

■ 43, 15.349,
229.010

■ 47, 8.782, 226.864

■ 42, 18.132,
230.568

■ 48, 5.097, 226.170

■ 40, 20.527,
232.545

■ 50, 1.209, 225.852

■ 39, 22.510,
235.023

■ 54, 7.009, 44.785

■ 38, 24.089,
238.078

■ 56, 11.270, 44.588

■ 36, 25.315,
241.753

■ 58, 15.596, 44.447

■ 36, 26.133,
244.382

■ 60, 19.965, 44.354

■ 62, 24.360, 44.299

Harmonies

Complementary

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



45, 12.216, 227.800



42, 15.050, 44.354

Rectangle

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



45, 12.216, 227.800



45, 12.216, 277.800



45, 12.216, 47.800



45, 12.216, 97.800

Sweetspot

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



45, 12.216, 227.796



63, 4.899, 226.021



47, 24.349, 149.244



32, 3.316, 226.079



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



45, 12.216, 227.796



56, 17.885, 228.738



39, 18.218, 280.836



25, 2.244, 225.966



37, 26.739, 244.542



72, 45.653, 247.239

Inverse Universe

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



40, 24.218, 334.494



49, 36.288, 335.073



47, 17.904, 92.190



24, 4.141, 332.868



27, 56.597, 340.814



57, 94.410, 341.684

Previews

White Background



This preview shows how the CIE LCh color 45, 12.216, 227.800 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, 12.216, 227.800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

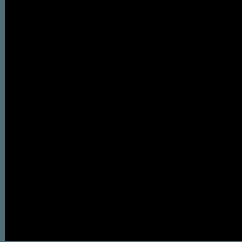
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 12.216, 227.800

Background



This preview shows how black text looks on a background with the CIELCh color 45, 12.216, 227.800.



This preview shows how white text looks on a background with the CIELCh color 45, 12.216, 227.800.

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, 12.216, 227.800

Protanopia

45, 7.174, 291.191

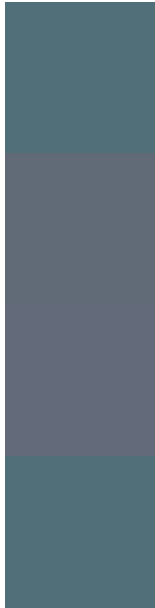
Deuteranopia

45, 11.554, 301.382



Tritanopia
45, 12.002, 225.098

Trichromacy



Original Color
45, 12.216, 227.800

Protanomaly
45, 8.204, 260.391

Deuteranomaly
45, 9.374, 272.503

Tritanomaly
45, 12.002, 225.098

Monochromacy



Original Color
45, 12.216, 227.800

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 4.906, 228.331

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 12.216, 227.800 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(81, 111, 121)` looks like.

```
.text, #text, p{  
    color:rgb(81, 111, 121)  
}
```

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(81, 111, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 111, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 12.216, 227.800 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(81, 111, 121) }
```

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

```
.border{ border-color:rgb(81, 111, 121) }
```

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

Here you see how a box with a 4 pixel rgb(81, 111, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 111, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 111, 121);  
box-shadow:4px 4px 4px 4px rgb(81, 111,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 12.216, 227.800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 111, 121) }
```

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

```
.background{ background-color: rgb(81, 111,  
121) }
```

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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