

Converting Colors

CIELCh(45, 16.030, 247.474)

Have a look what the booklet for
CIELCh(45, 16.030, 247.474)
contains.

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Color

CIELCh(45, 16.087, 246.791)

Conversions

Conversions Part 1

Format	Color
Hex	4E6F83
RGB	78, 111, 131
RGB Percent	31%, 44%, 51%
CMY	0.6953, 0.5659, 0.4875
CMYK	0.41, 0.15, 0.00, 0.49
HSL	203°, 25%, 41%
HSV	203°, 41%, 51%
XYZ	12.8456, 14.5417, 23.4938
YIQ	103.4130, -26.0880, -0.7760

Conversions

Conversions Part 2

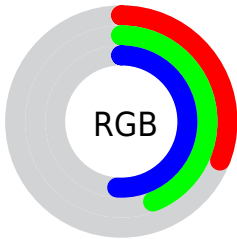
Format	Color
R_{YB}	78, 98, 131
Decimal	5140355
CIE _{Lab}	45.00, -6.34, -14.79
CIE _{LCh}	45, 16.087, 246.791
Yxy	14.5417, 0.2525, 0.2858
Android (android.graphics.Color)	4283330435 (0xFF4E6F83)
YUV	103.4130, 13.6004, -22.2872
Hunter-Lab	38.1336, -6.6047, -9.8345

Details

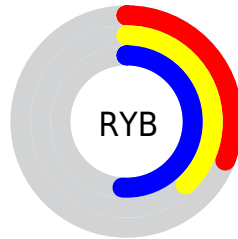
The CIELCh color $45, 16.087, 246.791$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $44, 19.630, 57.588$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 16.063, 245.601$, and $25, 16.400, 248.518$ is the 20% darker color. If you saturate the color by 10%, you get $43, 19.556, 249.022$, and if you desaturate by 10%, it is $47, 12.388, 244.958$.

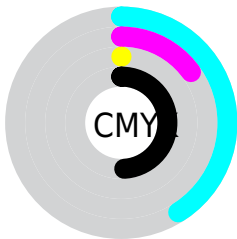
Distribution



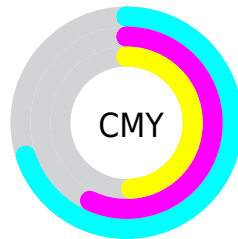
- Red (31%)
- Green (44%)
- Blue (51%)



- Red (31%)
- Yellow (38%)
- Blue (51%)



- Cyan (41%)
- Magenta (15%)
- Yellow (0%)
- Black (49%)





- Cyan (70%)
- Magenta (57%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 16.087, 246.791 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, 16.087, 246.791 by changing the saturation by 10% instead.


 45, 16.087,
246.791


 45, 16.087,
246.791


 100, 16.087,
246.791


 35, 16.087,
246.791

 65, 16.087,
246.791


 25, 16.087,
246.791

 75, 16.087,
246.791

 15, 16.087,
246.791

 85, 16.087,
246.791

 5, 16.087, 246.791

 95, 16.087,
246.791

 0, 16.087, 246.791

 45, 16.087,

 45, 16.087,

246.791

246.791

■ 43, 19.556,
249.022

■ 47, 12.388,
244.958

■ 41, 22.776,
251.731

■ 50, 8.491, 243.465

■ 39, 25.748,
254.979

■ 52, 4.429, 242.264

■ 55, 0.236, 242.595

■ 37, 28.501,
258.805

■ 57, 4.059, 60.242

■ 35, 31.100,
263.191

■ 59, 8.429, 59.581

■ 62, 12.850, 59.005

■ 33, 33.576,
267.458

■ 65, 17.304, 58.514

■ 67, 21.775, 58.095

Harmonies

Complementary

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



45, 16.087, 246.791



44, 19.630, 57.588

Rectangle

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



45, 16.087, 246.791



45, 16.087, 296.791



45, 16.087, 66.791



45, 16.087, 116.791

Sweetspot

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



45, 16.086, 246.789



66, 6.258, 242.451



50, 28.565, 153.577



34, 4.176, 242.571



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



45, 16.086, 246.789



56, 23.623, 248.924



37, 28.357, 289.811



27, 2.402, 242.120



33, 33.445, 267.431



0, 0.583, 241.133

Inverse Universe

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



40, 28.938, 340.844



49, 43.035, 341.821



51, 26.438, 99.821



26, 4.043, 338.193



28, 53.894, 350.063



0, 0.960, 337.583

Previews

White Background



This preview shows how the CIELCh color 45, 16.087, 246.791 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, 16.087, 246.791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

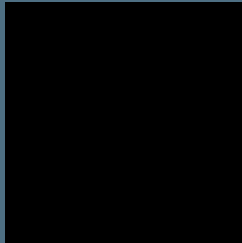
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

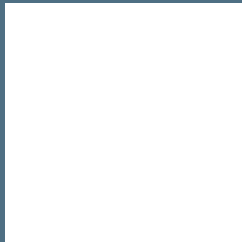
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 16.087, 246.791

Background



This preview shows how black text looks on a background with the CIELCh color 45, 16.087, 246.791.

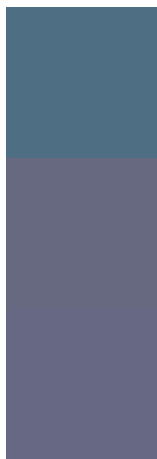


This preview shows how white text looks on a background with the CIELCh color 45, 16.087, 246.791.

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, 16.087, 246.791

Protanopia

45, 13.167, 287.114

Deuteranopia

45, 16.736, 291.240



Tritanopia
45, 14.018, 220.790

Trichromacy



Original Color
45, 16.087, 246.791

Protanomaly
45, 13.377, 269.464

Deuteranomaly
45, 15.979, 276.670

Tritanomaly
45, 14.538, 230.711

Monochromacy



Original Color
45, 16.087, 246.791

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 6.189, 241.824

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 16.087, 246.791 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(78, 111, 131)` looks like.

```
.text, #text, p{  
    color:rgb(78, 111, 131)  
}
```

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(78, 111, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 111, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 16.087, 246.791 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(78, 111, 131) }
```

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

```
.border{ border-color:rgb(78, 111, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 111, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 111, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 111, 131);  
box-shadow:4px 4px 4px 4px rgb(78, 111,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 16.087, 246.791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 111, 131) }
```

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

```
.background{ background-color: rgb(78, 111,  
131) }
```

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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