

Converting Colors

CIELCh(44, 12.721, 197.953)

Have a look what the booklet for
CIELCh(44, 12.721, 197.953)
contains.

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Color

CIELCh(44, 12.720, 197.960)

Conversions

Conversions Part 1

Format	Color
Hex	4C6E6E
RGB	76, 110, 110
RGB Percent	30%, 43%, 43%
CMY	0.7016, 0.5683, 0.5683
CMYK	0.31, 0.00, 0.00, 0.57
HSL	180°, 18%, 37%
HSV	180°, 31%, 43%
XYZ	11.3917, 13.8382, 16.8471
YIQ	99.8340, -20.2640, -7.2080

Conversions

Conversions Part 2

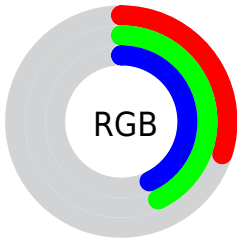
Format	Color
R_{YB}	76, 93, 110
Decimal	5009006
CIE _{Lab}	44.00, -12.10, -3.92
CIE _{LCh}	44, 12.720, 197.960
Yxy	13.8382, 0.2707, 0.3289
Android (android.graphics.Color)	4283199086 (0xFF4C6E6E)
YUV	99.8340, 5.0118, -20.9024
Hunter-Lab	37.1997, -10.4375, -0.8116

Details

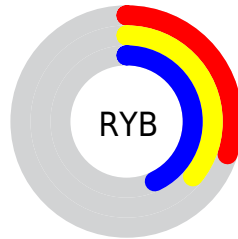
The CIELCh color **44, 12.720, 197.960** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **36, 15.521, 21.809**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 12.897, 198.307**, and **24, 12.502, 200.402** is the 20% darker color. If you saturate the color by 10%, you get **43, 16.181, 197.562**, and if you desaturate by 10%, it is **45, 8.893, 198.404**.

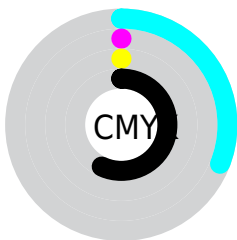
Distribution



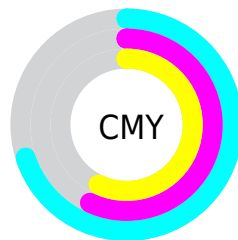
- Red (30%)
- Green (43%)
- Blue (43%)



- Red (30%)
- Yellow (36%)
- Blue (43%)



- Cyan (31%)
- Magenta (0%)
- Yellow (0%)
- Black (57%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 12.720, 197.960 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 44, 12.720, 197.960 by changing the saturation by 10% instead.


 44, 12.720,
197.960


 44, 12.720,
197.960


 100, 12.720,
197.960


 34, 12.720,
197.960

 64, 12.720,
197.960


 24, 12.720,
197.960

 74, 12.720,
197.960

 14, 12.720,
197.960

 84, 12.720,
197.960

 4, 12.720, 197.960

 94, 12.720,
197.960

 0, 12.720, 197.960

 44, 12.720,

 44, 12.720,

197.960

197.960

■ 43, 16.181,
197.562

■ 45, 8.893, 198.404

■ 43, 19.213,
197.223

■ 45, 4.764, 198.917

■ 46, 0.396, 200.255

■ 42, 21.766,
196.942

■ 47, 4.152, 19.809

■ 42, 23.803,
196.721

■ 48, 8.828, 20.417

■ 50, 13.589, 21.010

■ 42, 25.310,
196.558

■ 51, 18.398, 21.605

■ 42, 26.303,
196.452

■ 52, 23.226, 22.202

■ 53, 28.051, 22.797

■ 42, 26.990,
196.378

Harmonies

Complementary

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



44, 12.720, 197.960



36, 15.521, 21.809

Rectangle

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



44, 12.720, 197.960



44, 12.720, 247.960



44, 12.720, 17.960



44, 12.720, 67.960

Sweetspot

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



44, 12.720, 197.956



58, 4.894, 199.012



43, 24.731, 142.022



30, 3.368, 198.946



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



44, 12.720, 197.956



56, 18.349, 197.671



39, 11.783, 258.095



23, 2.511, 199.025



45, 28.676, 196.378



89, 48.974, 196.378

Inverse Universe

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



36, 15.521, 21.809



44, 23.583, 22.689



41, 12.880, 70.039



22, 2.649, 19.854



24, 58.000, 37.788



52, 102.187, 39.999

Previews

White Background



This preview shows how the CIELCh color 44, 12.720, 197.960 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 44, 12.720, 197.960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

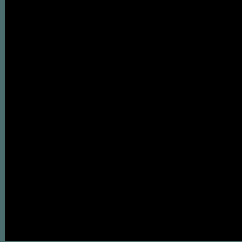
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

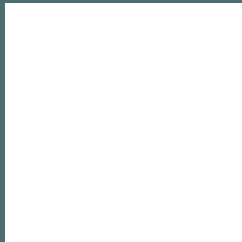
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 44, 12.720, 197.960

Background



This preview shows how black text looks on a background with the CIELCh color 44, 12.720, 197.960.



This preview shows how white text looks on a background with the CIELCh color 44, 12.720, 197.960.

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


44, 12.720, 197.960

Protanopia

44, 1.990, 314.724

Deuteranopia

44, 7.572, 319.750



Tritanopia
44, 12.309, 224.433

Trichromacy



Original Color
44, 12.720, 197.960

Protanomaly
44, 4.803, 206.103

Deuteranomaly
44, 4.778, 261.004

Tritanomaly
44, 12.163, 215.480

Monochromacy



Original Color
44, 12.720, 197.960

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 5.200, 198.837

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 12.720, 197.960 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(76, 110, 110)` looks like.

```
.text, #text, p{  
    color:rgb(76, 110, 110)  
}
```

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(76, 110, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 110, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 12.720, 197.960 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(76, 110, 110) }
```

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

```
.border{ border-color:rgb(76, 110, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 110, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 110, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 110, 110);  
box-shadow:4px 4px 4px 4px rgb(76, 110,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 12.720, 197.960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 110, 110) }
```

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

```
.background{ background-color: rgb(76, 110,  
110) }
```

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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