

Converting Colors

CIELCh(45, 13.926, 202.945)

Have a look what the booklet for
CIELCh(45, 13.926, 202.945)
contains.

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Color

CIELCh(45, 13.891, 202.851)

Conversions

Conversions Part 1

Format	Color
Hex	4B7173
RGB	75, 113, 115
RGB Percent	29%, 44%, 45%
CMY	0.7059, 0.5569, 0.5490
CMYK	0.35, 0.02, 0.00, 0.55
HSL	183°, 21%, 37%
HSV	183°, 35%, 45%
XYZ	11.8995, 14.5417, 18.3969
YIQ	101.8660, -23.2900, -7.4340

Conversions

Conversions Part 2

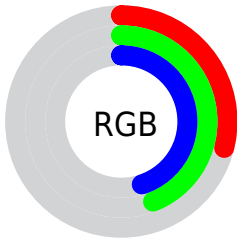
Format	Color
R_{YB}	75, 94, 115
Decimal	4944243
CIE _{Lab}	45.00, -12.80, -5.39
CIE _{LCh}	45, 13.891, 202.851
Yxy	14.5417, 0.2654, 0.3243
Android (android.graphics.Color)	4283134323 (0xFF4B7173)
YUV	101.8660, 6.4751, -23.5615
Hunter-Lab	38.1336, -11.0335, -1.9099




Details

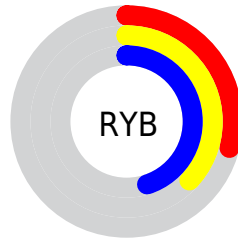
The CIELCh color **45, 13.891, 202.851** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **37, 17.568, 26.005**, and the grayscale version is **43, 0.006, 296.813**.




A 20% lighter version of the original color is **65, 13.789, 202.915**, and **25, 13.820, 202.738** is the 20% darker color. If you saturate the color by 10%, you get **44, 17.122, 202.737**, and if you desaturate by 10%, it is **46, 10.266, 203.051**.

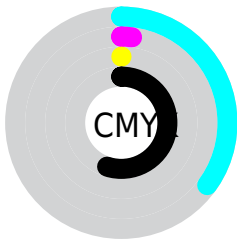
Distribution







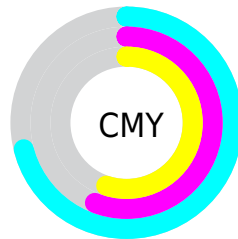
-  Red (29%)
-  Green (44%)
-  Blue (45%)






-  Red (29%)
-  Yellow (37%)
-  Blue (45%)



-  Cyan (35%)
-  Magenta (2%)
-  Yellow (0%)
-  Black (55%)





-  Cyan (71%)
-  Magenta (56%)
-  Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 13.891, 202.851 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, 13.891, 202.851 by changing the saturation by 10% instead.


 45, 13.891,
202.851


 45, 13.891,
202.851


 100, 13.891,
202.851


 35, 13.891,
202.851

 65, 13.891,
202.851


 25, 13.891,
202.851

 75, 13.891,
202.851

 15, 13.891,
202.851

 85, 13.891,
202.851

 5, 13.891, 202.851

 95, 13.891,
202.851

 0, 13.891, 202.851

 45, 13.891,

 45, 13.891,

202.851

■ 44, 17.122,
202.737

■ 44, 19.899,
202.731

■ 43, 22.170,
202.844

■ 42, 23.904,
203.091

■ 42, 25.094,
203.484

■ 42, 25.796,
204.023

■ 42, 26.113,
204.312

202.851

■ 46, 10.266,
203.051

■ 47, 6.312, 203.340

■ 48, 2.093, 203.786

■ 49, 2.331, 23.826

■ 50, 6.908, 24.344

■ 52, 11.593, 24.807

■ 53, 16.348, 25.276

■ 54, 21.143, 25.755

■ 56, 25.954, 26.238

Harmonies

Complementary

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



45, 13.891, 202.851



37, 17.568, 26.005

Rectangle

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



45, 13.891, 202.851



45, 13.891, 252.851



45, 13.891, 22.851



45, 13.891, 72.851

Sweetspot

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



45, 13.891, 202.847



61, 5.385, 203.507



45, 28.333, 142.949



32, 3.692, 203.463



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



45, 13.891, 202.847



57, 20.172, 202.748



39, 14.447, 264.345



24, 2.479, 203.557



44, 27.295, 204.368



86, 46.129, 204.844

Inverse Universe

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



38, 28.004, 327.651



46, 41.813, 328.078



42, 15.544, 74.696



23, 4.598, 326.264



28, 64.639, 330.247



58, 109.359, 330.365

Previews

White Background



This preview shows how the CIELCh color 45, 13.891, 202.851 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, 13.891, 202.851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

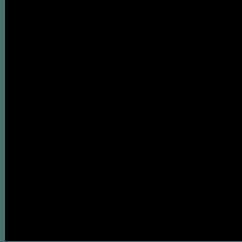
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 13.891, 202.851

Background



This preview shows how black text looks on a background with the CIELCh color 45, 13.891, 202.851.



This preview shows how white text looks on a background with the CIELCh color 45, 13.891, 202.851.

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, 13.891, 202.851

Protanopia

45, 3.110, 305.695

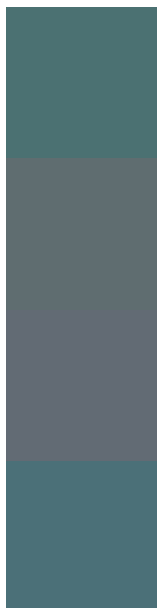
Deuteranopia

45, 9.000, 312.000



Tritanopia
45, 13.447, 221.864

Trichromacy



Original Color
45, 13.891, 202.851

Protanomaly
45, 5.569, 224.417

Deuteranomaly
45, 6.336, 257.467

Tritanomaly
45, 13.470, 216.273

Monochromacy



Original Color
45, 13.891, 202.851

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 5.566, 205.018

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 13.891, 202.851 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, 113, 115)` looks like.

```
.text, #text, p{  
    color:rgb(75, 113, 115)  
}
```

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, 113, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 113, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 13.891, 202.851 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, 113, 115) }
```

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

```
.border{ border-color:rgb(75, 113, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 113, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 113, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 113, 115);  
box-shadow:4px 4px 4px 4px rgb(75, 113,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 13.891, 202.851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 113, 115) }
```

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

```
.background{ background-color: rgb(75, 113,  
115) }
```

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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