

Converting Colors

CIELCh(45, 20.513, 313.293)

Have a look what the booklet for
CIELCh(45, 20.513, 313.293)
contains.

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Color

CIELCh(45, 20.544, 313.301)

Conversions

Conversions Part 1

Format	Color
Hex	766383
RGB	118, 99, 131
RGB Percent	46%, 39%, 51%
CMY	0.5355, 0.6100, 0.4845
CMYK	0.10, 0.24, 0.00, 0.48
HSL	276°, 14%, 45%
HSV	276°, 24%, 52%
XYZ	16.1646, 14.5417, 23.5914
YIQ	108.3290, 1.0520, 13.9800

Conversions

Conversions Part 2

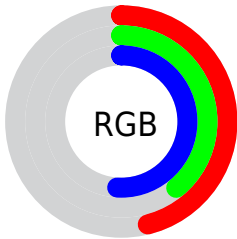
Format	Color
R_{YB}	118, 99, 131
Decimal	7758723
CIE Lab	45.00, 14.09, -14.95
CIE LCh	45, 20.544, 313.301
Yxy	14.5417, 0.2977, 0.2678
Android (android.graphics.Color)	4285948803 (0xFF766383)
YUV	108.3290, 11.1768, 8.4815
Hunter-Lab	38.1336, 8.9313, -9.9864

Details

The CIELCh color **45, 20.544, 313.301** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **53, 20.030, 131.233**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 20.369, 312.876**, and **25, 21.006, 312.883** is the 20% darker color. If you saturate the color by 10%, you get **41, 29.230, 313.753**, and if you desaturate by 10%, it is **49, 11.977, 312.857**.

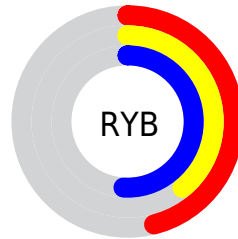
Distribution



Red (46%)

Green (39%)

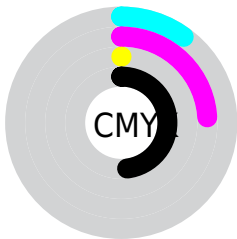
Blue (51%)



Red (46%)

Yellow (39%)

Blue (51%)

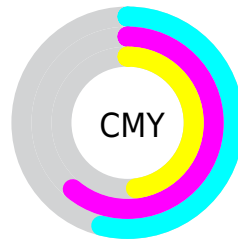


Cyan (10%)

Magenta (24%)

Yellow (0%)

Black (48%)



Cyan (54%)


Magenta (61%)


Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 20.544, 313.301 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, 20.544, 313.301 by changing the saturation by 10% instead.


 45, 20.544,
313.301


 45, 20.544,
313.301


 100, 20.544,
313.301


 35, 20.544,
313.301

 65, 20.544,
313.301


 25, 20.544,
313.301

 75, 20.544,
313.301

 15, 20.544,
313.301

 85, 20.544,
313.301

 5, 20.544, 313.301

 95, 20.544,
313.301

 0, 20.544, 313.301

 45, 20.544,

 45, 20.544,

313.301

41, 29.230,
313.753

37, 37.934,
314.197

33, 46.480,
314.603

30, 54.603,
314.926

27, 61.926,
315.106

24, 67.982,
315.066

22, 72.358,
314.737

21, 74.617,
314.550

313.301

49, 11.977,
312.857

53, 3.593, 312.420

57, 4.576, 132.089


61, 12.518,
131.720

65, 20.229,
131.398

70, 27.713,
131.110

74, 34.979,
130.855

78, 42.035,
130.629

 82, 48.893,
130.430

Harmonies

Complementary

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



45, 20.544, 313.301



53, 20.030, 131.233

Rectangle

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



45, 20.544, 313.301



45, 20.544, 3.301



45, 20.544, 133.301



45, 20.544, 183.301

Sweetspot

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



45, 20.543, 313.301



66, 7.173, 312.546



47, 11.945, 267.414



35, 4.700, 312.566



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, 20.543, 313.301



55, 30.451, 313.540



46, 21.462, 328.113



26, 4.709, 312.632



21, 74.031, 314.561



0, 1.116, 312.275

Inverse Universe

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



46, 15.294, 351.331



56, 22.669, 351.941



52, 21.436, 145.182



26, 3.496, 349.773



27, 51.298, 9.407



0, 0.826, 349.033

Previews

White Background



This preview shows how the CIELCh color 45, 20.544, 313.301 looks on a white background.

Color Contrast Check

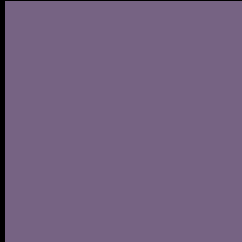
Large Text (above 18pt) WCAG AA ✓ Pass

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, 20.544, 313.301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

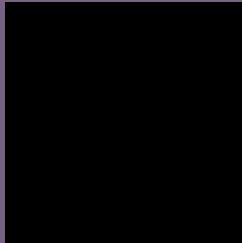
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 20.544, 313.301

Background



This preview shows how black text looks on a background with the CIELCh color 45, 20.544, 313.301.



This preview shows how white text looks on a background with the CIELCh color 45, 20.544, 313.301.

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, 20.544, 313.301

Protanopia

45, 18.574, 286.092

Deuteranopia

45, 16.152, 293.726



Tritanopia
45, 6.874, 336.332

Trichromacy



Original Color
45, 20.544, 313.301

Protanomaly
45, 18.599, 296.124

Deuteranomaly
45, 17.668, 302.325

Tritanomaly
45, 11.122, 321.602

Monochromacy



Original Color
45, 20.544, 313.301

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 7.009, 311.012

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 20.544, 313.301 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(118, 99, 131)` looks like.

```
.text, #text, p{  
    color:rgb(118, 99, 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(118, 99, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 99, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 20.544, 313.301 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(118, 99, 131) }
```

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

```
.border{ border-color:rgb(118, 99, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 99, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 99, 131); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 99, 131); box-shadow:4px 4px 4px 4px rgb(118, 99, 131) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 20.544, 313.301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 99, 131) }
```

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

```
.background{ background-color: rgb(118, 99,  
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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