

Converting Colors

CIELCh(45, 52.127, 295.411)

Have a look what the booklet for
CIELCh(45, 52.127, 295.411)
contains.

CIELCh(45, 51.724, 295.325)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(45, 51.724, 295.325)

Conversions

Conversions Part 1

Format	Color
Hex	5D62B9
RGB	93, 98, 185
RGB Percent	36%, 38%, 73%
CMY	0.6356, 0.6160, 0.2749
CMYK	0.50, 0.47, 0.00, 0.27
HSL	237°, 40%, 54%
HSV	237°, 50%, 73%
XYZ	17.6124, 14.5417, 47.7268
YIQ	106.4230, -30.9070, 25.9970

Conversions

Conversions Part 2

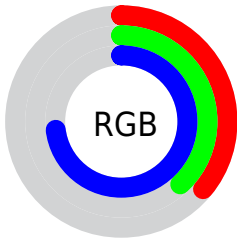
Format	Color
R_{YB}	93, 98, 185
Decimal	6120121
CIE _{Lab}	45.00, 22.13, -46.75
CIE _{LCh}	45, 51.724, 295.325
Yxy	14.5417, 0.2205, 0.1820
Android (android.graphics.Color)	4284310201 (0xFF5D62B9)
YUV	106.4230, 38.7385, -11.7720
Hunter-Lab	38.1336, 15.7085, -47.5120

Details

The CIELCh color $45, 51.724, 295.325$ is a dark color, and the websafe version is hex $6666CC$. A complement of this color would be $72, 45.754, 102.927$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 51.661, 295.324$, and $25, 51.495, 295.209$ is the 20% darker color. If you saturate the color by 10%, you get $39, 63.336, 297.537$, and if you desaturate by 10%, it is $51, 40.490, 293.358$.

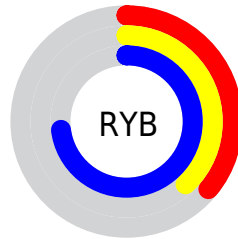
Distribution



Red (36%)

Green (38%)

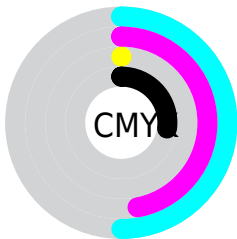
Blue (73%)



Red (36%)

Yellow (38%)

Blue (73%)

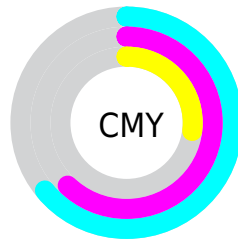


Cyan (50%)

Magenta (47%)

Yellow (0%)

Black (27%)



Cyan (64%)


Magenta (62%)


Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 51.724, 295.325 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, 51.724, 295.325 by changing the saturation by 10% instead.


 45, 51.724,
295.325


 45, 51.724,
295.325


 100, 51.724,
295.325


 35, 51.724,
295.325

 65, 51.724,
295.325


 25, 51.724,
295.325

 75, 51.724,
295.325

 15, 51.724,
295.325

 85, 51.724,
295.325

 5, 51.724, 295.325

 95, 51.724,
295.325

 0, 51.724, 295.325

 45, 51.724,

 45, 51.724,

295.325

■ 39, 63.336,
297.537

■ 34, 75.089,
299.908

■ 29, 86.373,
302.250

■ 25, 96.010,
304.271

■ 23, 102.536,
305.615

■ 23, 102.651,
305.635

295.325

■ 51, 40.490,
293.358

■ 57, 29.694,
291.652

■ 63, 19.330,
290.192

■ 69, 9.367, 288.953

■ 75, 0.224, 107.523

■ 81, 9.473, 106.972

■ 87, 18.402,
106.202

■ 93, 27.035,
105.536

■ 99, 35.228,

Harmonies

Complementary

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



45, 51.724, 295.325



72, 45.754, 102.927

Rectangle

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



45, 51.724, 295.325



45, 51.724, 345.325



45, 51.724, 115.325



45, 51.724, 165.325

Sweetspot

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



45, 51.723, 295.326



83, 17.970, 289.608



70, 29.349, 190.457



43, 12.301, 289.874



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



45, 51.723, 295.326



50, 78.701, 297.823



47, 55.505, 309.528



36, 5.406, 288.905



18, 89.852, 305.484



1, 14.762, 288.668

Inverse Universe

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



51, 40.217, 21.046



60, 61.148, 23.806



71, 50.956, 124.340



36, 4.009, 15.507



32, 69.831, 37.374



2, 10.664, 16.094

Previews

White Background



This preview shows how the CIELCh color 45, 51.724, 295.325 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, 51.724, 295.325 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

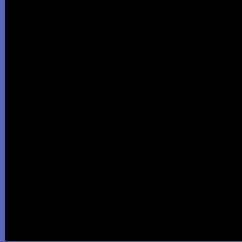
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 45, 51.724, 295.325

Background



This preview shows how black text looks on a background with the CIELCh color 45, 51.724, 295.325.



This preview shows how white text looks on a background with the CIELCh color 45, 51.724, 295.325.

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, 51.724, 295.325

Protanopia

45, 52.014, 286.759

Deuteranopia

45, 46.310, 279.054



Tritanopia
45, 14.857, 219.334

Trichromacy



Original Color
45, 51.724, 295.325

Protanomaly
45, 51.859, 289.589

Deuteranomaly
45, 48.062, 284.522

Tritanomaly
45, 23.455, 270.368

Monochromacy



Original Color
45, 51.724, 295.325

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 19.151, 290.678

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 51.724, 295.325 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(93, 98, 185)` looks like.

```
.text, #text, p{  
    color:rgb(93, 98, 185)  
}
```

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(93, 98, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 98, 185) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 51.724, 295.325 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(93, 98, 185) }
```

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

```
.border{ border-color:rgb(93, 98, 185) }
```

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

Here you see how a box with a 4 pixel rgb(93, 98, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 98, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 98, 185);  
box-shadow:4px 4px 4px 4px rgb(93, 98,  
185) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 51.724, 295.325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 98, 185) }
```

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

```
.background{ background-color: rgb(93, 98,  
185) }
```

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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