

Converting Colors

CIELCh(45, 64.170, 291.116)

Have a look what the booklet for
CIELCh(45, 64.170, 291.116)
contains.

CIELCh(45, 64.154, 291.193)	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, 64.154, 291.193)

Conversions

Conversions Part 1

Format	Color
Hex	3E63CF
RGB	62, 99, 207
RGB Percent	24%, 39%, 81%
CMY	0.7551, 0.6106, 0.1869
CMYK	0.70, 0.52, 0.00, 0.19
HSL	225°, 60%, 53%
HSV	225°, 70%, 81%
XYZ	17.8110, 14.5417, 61.1257
YIQ	100.2490, -56.7200, 25.7440

Conversions

Conversions Part 2

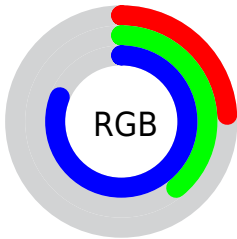
Format	Color
R _{YB}	62, 91, 207
Decimal	4088783
CIE Lab	45.00, 23.19, -59.82
CIE LCh	45, 64.154, 291.193
Yxy	14.5417, 0.1905, 0.1556
Android (android.graphics.Color)	4282278863 (0xFF3E63CF)
YUV	100.2490, 52.6282, -33.5444
Hunter-Lab	38.1336, 16.6380, -68.3445

Details

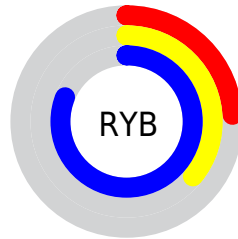
The CIELCh color **45, 64.154, 291.193** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **71, 58.308, 87.932**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 58.983, 290.186**, and **26, 63.822, 295.136** is the 20% darker color. If you saturate the color by 10%, you get **40, 74.419, 294.383**, and if you desaturate by 10%, it is **50, 54.136, 288.239**.

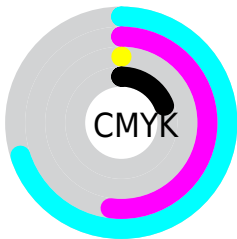
Distribution



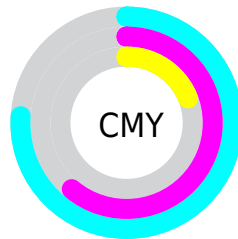
- Red (24%)
- Green (39%)
- Blue (81%)



- Red (24%)
- Yellow (36%)
- Blue (81%)



- Cyan (70%)
- Magenta (52%)
- Yellow (0%)
- Black (19%)





- Cyan (76%)
- Magenta (61%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 64.154, 291.193 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, 64.154, 291.193 by changing the saturation by 10% instead.


 45, 64.154,
291.193


 45, 64.154,
291.193


 100, 64.154,
291.193


 35, 64.154,
291.193

 65, 64.154,
291.193


 25, 64.154,
291.193

 75, 64.154,
291.193

 15, 64.154,
291.193

 85, 64.154,
291.193

 5, 64.154, 291.193

 95, 64.154,
291.193

 0, 64.154, 291.193

 45, 64.154,

 45, 64.154,

291.193

■ 40, 74.419,
294.383

■ 36, 84.685,
297.631

■ 32, 94.443,
300.635

■ 32, 94.558,
300.668

291.193

■ 50, 54.136,
288.239

■ 56, 44.430,
285.602

■ 61, 35.029,
283.304

■ 67, 25.900,
281.327

■ 72, 17.017,
279.637

■ 78, 8.357, 278.198

■ 83, 0.093, 94.849

■ 89, 8.345, 95.832

■ 94, 16.406, 94.911

Harmonies

Complementary

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



45, 64.154, 291.193



71, 58.308, 87.932

Rectangle

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



45, 64.154, 291.193



45, 64.154, 341.193



45, 64.154, 111.193



45, 64.154, 161.193

Sweetspot

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



45, 64.154, 291.194



86, 21.300, 279.854



75, 47.872, 170.111



44, 14.466, 280.309



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



45, 64.154, 291.194



47, 93.163, 296.056



39, 86.269, 305.912



41, 4.831, 278.137



25, 79.820, 300.217



3, 21.142, 286.254

Inverse Universe

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



49, 60.232, 11.539



56, 81.714, 17.735



79, 71.605, 115.421



41, 4.710, 0.039



35, 65.626, 24.681



4, 20.346, 7.751

Previews

White Background



This preview shows how the CIE LCh color 45, 64.154, 291.193 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, 64.154, 291.193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

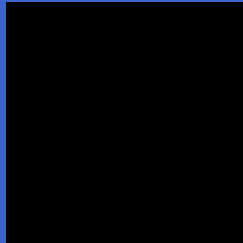
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 64.154, 291.193

Background



This preview shows how black text looks on a background with the CIELCh color 45, 64.154, 291.193.



This preview shows how white text looks on a background with the CIELCh color 45, 64.154, 291.193.

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, 64.154, 291.193

Protanopia

45, 64.980, 287.709

Deuteranopia

45, 49.925, 276.197



Tritanopia
45, 27.392, 208.099

Trichromacy



Original Color
45, 64.154, 291.193

Protanomaly
45, 64.890, 288.831

Deuteranomaly
45, 55.091, 281.634

Tritanomaly
44, 32.365, 255.282

Monochromacy



Original Color
45, 64.154, 291.193

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 24.313, 283.215

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 64.154, 291.193 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(62, 99, 207)` looks like.

```
.text, #text, p{  
    color:rgb(62, 99, 207)  
}
```

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(62, 99, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 99, 207) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 64.154, 291.193 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(62, 99, 207) }
```

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

```
.border{ border-color:rgb(62, 99, 207) }
```

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

Here you see how a box with a 4 pixel rgb(62, 99, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 99, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 99, 207);  
box-shadow:4px 4px 4px 4px rgb(62, 99,  
207) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 64.154, 291.193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 99, 207) }
```

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

```
.background{ background-color: rgb(62, 99,  
207) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor