

Converting Colors

CIELCh(45, 62.751, 128.492)

Have a look what the booklet for
CIELCh(45, 62.751, 128.492)
contains.

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Color

CIELCh(45, 62.854, 128.470)

Conversions

Conversions Part 1

Format	Color
Hex	397901
RGB	57, 121, 1
RGB Percent	22%, 47%, 0%
CMY	0.7766, 0.5256, 0.9962
CMYK	0.53, 0.00, 0.99, 0.53
HSL	92°, 98%, 24%
HSV	92°, 99%, 47%
XYZ	8.5267, 14.5417, 2.3853
YIQ	88.1840, 0.3760, -50.8880

Conversions

Conversions Part 2

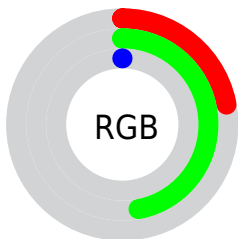
Format	Color
R_{YB}	1, 121, 65
Decimal	3766529
CIE _{Lab}	45.00, -39.10, 49.21
CIE _{LCh}	45, 62.854, 128.470
Yxy	14.5417, 0.3350, 0.5713
Android (android.graphics.Color)	4281956609 (0xFF397901)
YUV	88.1840, -42.9817, -27.3484
Hunter-Lab	38.1336, -26.8212, 22.9848

Details

The CIELCh color **45, 62.854, 128.470** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **18, 70.742, 313.105**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 62.759, 128.360**, and **25, 47.485, 136.239** is the 20% darker color. If you saturate the color by 10%, you get **45, 63.128, 128.507**, and if you desaturate by 10%, it is **45, 59.498, 127.873**.

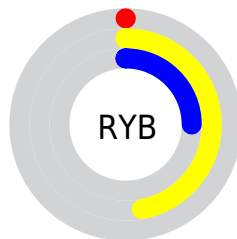
Distribution



Red (22%)

Green (47%)

Blue (0%)



Red (0%)

Yellow (47%)

Blue (25%)

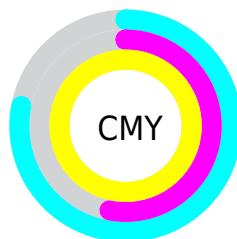


Cyan (53%)

Magenta (0%)

Yellow (99%)

Black (53%)



Cyan (78%)


Magenta (53%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 62.854, 128.470 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, 62.854, 128.470 by changing the saturation by 10% instead.


 45, 62.854,
128.470


 45, 62.854,
128.470


 100, 62.854,
128.470


 35, 62.854,
128.470

 65, 62.854,
128.470


 25, 62.854,
128.470

 75, 62.854,
128.470

 15, 62.854,
128.470

 85, 62.854,
128.470

 5, 62.854, 128.470

 95, 62.854,
128.470

 0, 62.854, 128.470

 45, 62.854,

 45, 62.854,

128.470

128.470

■ 45, 63.128,
128.507

■ 45, 59.498,
127.873

■ 46, 55.220,
127.494

■ 46, 49.798,
127.470

■ 47, 43.529,
127.689

■ 47, 36.685,
128.053

■ 48, 29.475,
128.490

■ 48, 22.049,
128.953

■ 49, 14.512,
129.414

Harmonies

Complementary

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



45, 62.854, 128.470



18, 70.742, 313.105

Rectangle

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



45, 62.854, 128.470



45, 62.854, 178.470



45, 62.854, 308.470



45, 62.854, 358.470

Sweetspot

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



45, 62.854, 128.471



62, 28.195, 128.880



34, 47.851, 64.975



32, 19.107, 128.723



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



45, 62.854, 128.471



58, 76.980, 128.911



44, 68.029, 136.509



25, 4.293, 129.865



46, 64.642, 128.561



89, 109.766, 129.414

Inverse Universe

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



18, 70.742, 313.105



25, 86.570, 312.817



28, 64.736, 329.534



24, 4.344, 310.588



19, 72.800, 313.059



41, 123.189, 312.466

Previews

White Background



This preview shows how the CIELCh color 45, 62.854, 128.470 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, 62.854, 128.470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

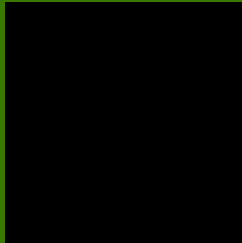
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 62.854, 128.470

Background



This preview shows how black text looks on a background with the CIELCh color 45, 62.854, 128.470.



This preview shows how white text looks on a background with the CIELCh color 45, 62.854, 128.470.

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, 62.854, 128.470

Protanopia

45, 51.320, 95.055

Deuteranopia

45, 45.138, 83.230



Tritanopia
45, 14.455, 222.659

Trichromacy



Original Color
45, 62.854, 128.470

Protanomaly
44, 53.030, 110.175

Deuteranomaly
44, 47.679, 105.129

Tritanomaly
44, 29.198, 147.781

Monochromacy



Original Color
45, 62.854, 128.470

Achromatopsia
37, 0.005, 296.813

Achromatomaly
40, 28.134, 127.945

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 62.854, 128.470 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(57, 121, 1)` looks like.

```
.text, #text, p{  
    color:rgb(57, 121, 1)  
}
```

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(57, 121, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 121, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 62.854, 128.470 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(57, 121, 1) }
```

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

```
.border{ border-color:rgb(57, 121, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 121, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 121, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 121, 1);  
box-shadow:4px 4px 4px 4px rgb(57, 121, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 45, 62.854, 128.470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 121, 1) }
```

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

```
.background{ background-color: rgb(57, 121,  
1) }
```

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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