

Converting Colors

CIELCh(45, 33.572, 283.229)

Have a look what the booklet for
CIELCh(45, 33.572, 283.229)
contains.

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Color

CIELCh(45, 33.737, 283.264)

Conversions

Conversions Part 1

Format	Color
Hex	5369A1
RGB	83, 105, 161
RGB Percent	33%, 41%, 63%
CMY	0.6741, 0.5879, 0.3682
CMYK	0.48, 0.35, 0.00, 0.37
HSL	223°, 32%, 48%
HSV	223°, 48%, 63%
XYZ	15.0784, 14.5417, 35.7764
YIQ	104.8060, -31.0880, 12.7520

Conversions

Conversions Part 2

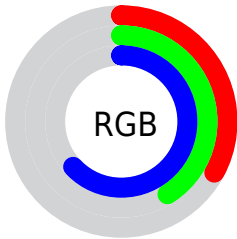
Format	Color
R_{YB}	83, 100, 161
Decimal	5466529
CIE _{Lab}	45.00, 7.74, -32.84
CIE _{LCh}	45, 33.737, 283.264
Yxy	14.5417, 0.2306, 0.2224
Android (android.graphics.Color)	4283656609 (0xFF5369A1)
YUV	104.8060, 27.7036, -19.1239
Hunter-Lab	38.1336, 3.8471, -28.9315

Details

The CIELCh color **45, 33.737, 283.264** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **59, 32.881, 88.938**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 33.688, 282.999**, and **25, 33.907, 283.629** is the 20% darker color. If you saturate the color by 10%, you get **41, 41.229, 285.827**, and if you desaturate by 10%, it is **49, 26.450, 281.038**.

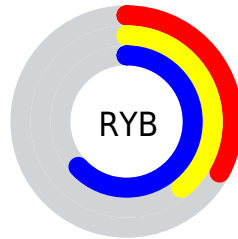
Distribution



Red (33%)

Green (41%)

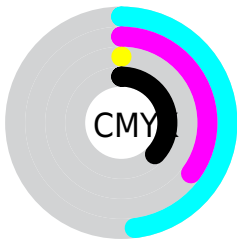
Blue (63%)



Red (33%)

Yellow (39%)

Blue (63%)

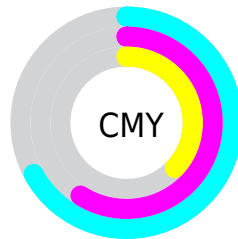


Cyan (48%)

Magenta (35%)

Yellow (0%)

Black (37%)



Cyan (67%)


Magenta (59%)


Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 33.737, 283.264 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, 33.737, 283.264 by changing the saturation by 10% instead.


 45, 33.737,
283.264


 45, 33.737,
283.264


 100, 33.737,
283.264


 35, 33.737,
283.264

 65, 33.737,
283.264


 25, 33.737,
283.264

 75, 33.737,
283.264

 15, 33.737,
283.264

 85, 33.737,
283.264

 5, 33.737, 283.264

 95, 33.737,
283.264

 0, 33.737, 283.264

 45, 33.737,

 45, 33.737,

283.264

■ 41, 41.229,
285.827

■ 37, 48.951,
288.722

■ 33, 56.894,
291.895

■ 29, 64.965,
295.217

■ 26, 72.927,
298.421

■ 25, 74.161,
298.872

283.264

■ 49, 26.450,
281.038

■ 54, 19.345,
279.122

■ 58, 12.404,
277.481

■ 63, 5.613, 276.085

■ 67, 1.036, 94.665

■ 71, 7.547, 93.757

■ 76, 13.924, 92.848

■ 80, 20.170, 92.046

■ 84, 26.287, 91.337

Harmonies

Complementary

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



45, 33.737, 283.264



59, 32.881, 88.938

Rectangle

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



45, 33.737, 283.264



45, 33.737, 333.264



45, 33.737, 103.264



45, 33.737, 153.264

Sweetspot

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



45, 33.736, 283.264



76, 12.452, 277.018



61, 29.856, 172.084



39, 8.495, 277.307



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



45, 33.736, 283.264



53, 50.664, 286.011



40, 47.700, 302.919



32, 3.815, 276.195



22, 68.170, 298.578



1, 6.061, 276.870

Inverse Universe

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



45, 34.755, 3.506



54, 51.293, 5.865



63, 42.520, 115.545



32, 3.884, 358.024



30, 57.810, 21.524



1, 5.854, 359.121

Previews

White Background



This preview shows how the CIELCh color 45, 33.737, 283.264 looks on a white background.

Color Contrast Check

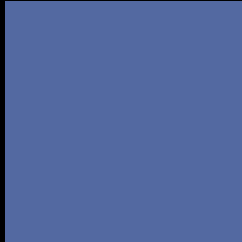
Large Text (above 18pt) WCAG AA ✓ Pass

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, 33.737, 283.264 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

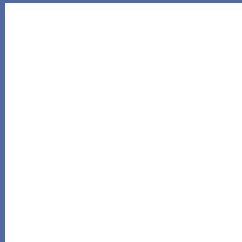
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 33.737, 283.264

Background



This preview shows how black text looks on a background with the CIELCh color 45, 33.737, 283.264.



This preview shows how white text looks on a background with the CIELCh color 45, 33.737, 283.264.

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, 33.737, 283.264

Protanopia

45, 33.590, 285.690

Deuteranopia

45, 33.308, 281.024



Tritanopia
45, 15.410, 218.481

Trichromacy



Original Color
45, 33.737, 283.264

Protanomaly
45, 33.626, 285.208

Deuteranomaly
45, 33.258, 281.478

Tritanomaly
45, 18.929, 254.270

Monochromacy



Original Color
45, 33.737, 283.264

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 12.249, 277.759

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 33.737, 283.264 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(83, 105, 161)` looks like.

```
.text, #text, p{  
    color:rgb(83, 105, 161)  
}
```

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(83, 105, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 105, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 33.737, 283.264 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(83, 105, 161) }
```

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

```
.border{ border-color:rgb(83, 105, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 105, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 105, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 105, 161);  
box-shadow:4px 4px 4px 4px rgb(83, 105,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 33.737, 283.264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 105, 161) }
```

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

```
.background{ background-color: rgb(83, 105,  
161) }
```

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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