

Converting Colors

CIELCh(45, 24.781, 283.677)

Have a look what the booklet for
CIELCh(45, 24.781, 283.677)
contains.

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Color

CIELCh(45, 24.655, 284.092)

Conversions

Conversions Part 1

Format	Color
Hex	5D6992
RGB	93, 105, 146
RGB Percent	36%, 41%, 57%
CMY	0.6348, 0.5877, 0.4269
CMYK	0.36, 0.28, 0.00, 0.43
HSL	226°, 22%, 47%
HSV	226°, 36%, 57%
XYZ	14.7899, 14.5417, 29.2753
YIQ	106.0860, -20.3130, 10.2070

Conversions

Conversions Part 2

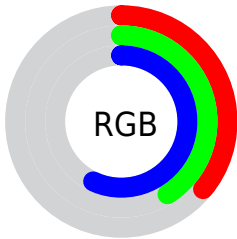
Format	Color
R_{YB}	93, 103, 146
Decimal	6121874
CIE _{Lab}	45.00, 6.00, -23.91
CIE _{LCh}	45, 24.655, 284.092
Yxy	14.5417, 0.2524, 0.2481
Android (android.graphics.Color)	4284311954 (0xFF5D6992)
YUV	106.0860, 19.6776, -11.4764
Hunter-Lab	38.1336, 2.4965, -18.8237

Details

The CIELCh color `45, 24.655, 284.092` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `56, 23.814, 94.528`, and the grayscale version is `45, 0.006, 296.813`.

A 20% lighter version of the original color is `65, 24.635, 284.196`, and `25, 24.571, 284.341` is the 20% darker color. If you saturate the color by 10%, you get `41, 31.916, 286.140`, and if you desaturate by 10%, it is `49, 17.610, 282.328`.

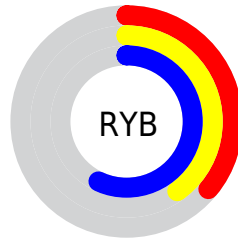
Distribution



Red (36%)

Green (41%)

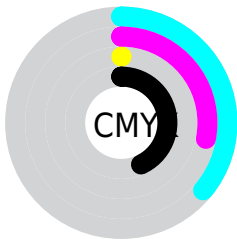
Blue (57%)



Red (36%)

Yellow (40%)

Blue (57%)

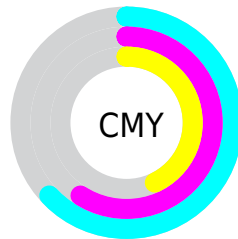


Cyan (36%)

Magenta (28%)

Yellow (0%)

Black (43%)



Cyan (63%)


Magenta (59%)

Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 24.655, 284.092 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, 24.655, 284.092 by changing the saturation by 10% instead.


 45, 24.655,
284.092


 45, 24.655,
284.092


 100, 24.655,
284.092

 35, 24.655,
284.092

 65, 24.655,
284.092


 25, 24.655,
284.092

 75, 24.655,
284.092

 15, 24.655,
284.092

 85, 24.655,
284.092

 5, 24.655, 284.092

 95, 24.655,
284.092

 0, 24.655, 284.092

 45, 24.655,

 45, 24.655,

284.092

284.092

■ 41, 31.916,
286.140

■ 49, 17.610,
282.328

■ 37, 39.417,
288.496

■ 54, 10.763,
280.816

■ 32, 47.168,
291.157

■ 58, 4.099, 279.532

■ 29, 55.136,
294.070

■ 62, 2.395, 98.316

■ 66, 8.728, 97.382

■ 25, 63.180,
297.109

■ 71, 14.906, 96.537

■ 22, 70.966,
300.042

■ 75, 20.936, 95.794

■ 79, 26.822, 95.137

■ 21, 73.724,
300.986

■ 83, 32.571, 94.554

Harmonies

Complementary

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



45, 24.655, 284.092



56, 23.814, 94.528

Rectangle

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



45, 24.655, 284.092



45, 24.655, 334.092



45, 24.655, 104.092



45, 24.655, 154.092

Sweetspot

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



45, 24.654, 284.092



71, 8.907, 280.139



57, 20.581, 177.298



36, 5.974, 280.292



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



45, 24.654, 284.092



53, 37.309, 285.838



43, 32.419, 303.195



29, 3.741, 279.885



19, 70.243, 300.825



1, 3.238, 278.777

Inverse Universe

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



46, 23.490, 5.431



55, 35.494, 6.903



58, 30.056, 118.388



29, 3.492, 2.040



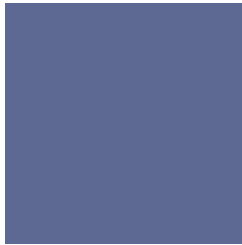
28, 57.148, 25.926



1, 2.989, 1.260

Previews

White Background



This preview shows how the CIE LCh color 45, 24.655, 284.092 looks on a white background.

Color Contrast Check

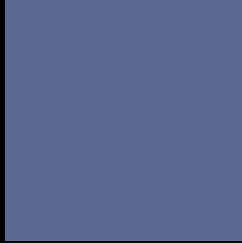
Large Text (above 18pt) WCAG AA ✓ Pass

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, 24.655, 284.092 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

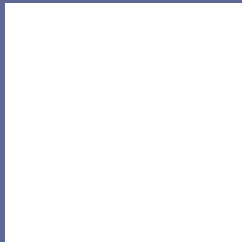
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 24.655, 284.092

Background



This preview shows how black text looks on a background with the CIELCh color 45, 24.655, 284.092.



This preview shows how white text looks on a background with the CIELCh color 45, 24.655, 284.092.

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, 24.655, 284.092

Protanopia

45, 24.615, 284.839

Deuteranopia

45, 24.615, 284.839



Tritanopia
45, 9.960, 231.420

Trichromacy



Original Color
45, 24.655, 284.092

Protanomaly
45, 24.615, 284.839

Deuteranomaly
45, 24.615, 284.839

Tritanomaly
45, 14.044, 262.804

Monochromacy



Original Color
45, 24.655, 284.092

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 9.116, 279.303

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 24.655, 284.092 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, 105, 146)` looks like.

```
.text, #text, p{  
    color:rgb(93, 105, 146)  
}
```

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, 105, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 105, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 24.655, 284.092 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, 105, 146) }
```

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

```
.border{ border-color:rgb(93, 105, 146) }
```

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

Here you see how a box with a 4 pixel rgb(93, 105, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 105, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 105, 146);  
box-shadow:4px 4px 4px 4px rgb(93, 105,  
146) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 24.655, 284.092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 105, 146) }
```

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

```
.background{ background-color: rgb(93, 105,  
146) }
```

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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