

Converting Colors

CIELCh(45, 20.774, 283.767)

Have a look what the booklet for
CIELCh(45, 20.774, 283.767)
contains.

CIELCh(45, 21.032, 284.467)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(45, 21.032, 284.467)

Conversions

Conversions Part 1

Format	Color
Hex	60698C
RGB	96, 105, 140
RGB Percent	38%, 41%, 55%
CMY	0.6227, 0.5874, 0.4501
CMYK	0.31, 0.25, 0.00, 0.45
HSL	228°, 19%, 46%
HSV	228°, 31%, 55%
XYZ	14.6667, 14.5417, 26.9272
YIQ	106.2990, -16.5990, 8.9770

Conversions

Conversions Part 2

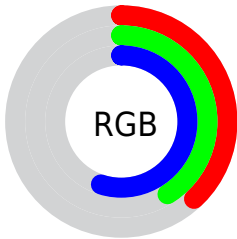
Format	Color
R_{YB}	96, 103, 140
Decimal	6318476
CIE Lab	45.00, 5.25, -20.37
CIE LCh	45, 21.032, 284.467
Yxy	14.5417, 0.2613, 0.2590
Android (android.graphics.Color)	4284508556 (0xFF60698C)
YUV	106.2990, 16.6146, -9.0322
Hunter-Lab	38.1336, 1.9199, -15.1728

Details

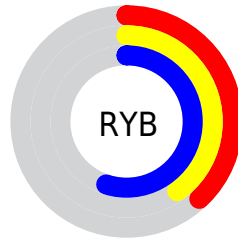
The CIELCh color `45, 21.032, 284.467` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `55, 20.320, 96.564`, and the grayscale version is `45, 0.006, 296.813`.

A 20% lighter version of the original color is `65, 21.241, 285.028`, and `25, 21.224, 285.003` is the 20% darker color. If you saturate the color by 10%, you get `41, 28.157, 286.332`, and if you desaturate by 10%, it is `49, 14.124, 282.862`.

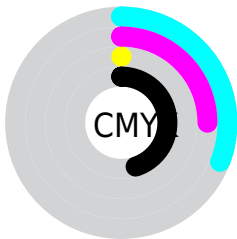
Distribution



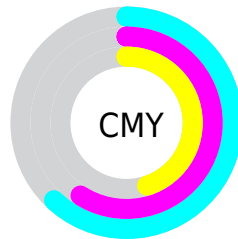
- Red (38%)
- Green (41%)
- Blue (55%)



- Red (38%)
- Yellow (40%)
- Blue (55%)



- Cyan (31%)
- Magenta (25%)
- Yellow (0%)
- Black (45%)




- Cyan (62%)
- Magenta (59%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 21.032, 284.467 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, 21.032, 284.467 by changing the saturation by 10% instead.


 45, 21.032,
284.467


 45, 21.032,
284.467


 100, 21.032,
284.467


 35, 21.032,
284.467

 65, 21.032,
284.467


 25, 21.032,
284.467

 75, 21.032,
284.467

 15, 21.032,
284.467

 85, 21.032,
284.467

 5, 21.032, 284.467

 95, 21.032,
284.467

 0, 21.032, 284.467

 45, 21.032,

 45, 21.032,

284.467

284.467

■ 41, 28.157,
286.332

■ 49, 14.124,
282.862

■ 37, 35.523,
288.489

■ 54, 7.418, 281.490

■ 32, 43.144,
290.945

■ 58, 0.897, 280.422

■ 62, 5.449, 99.235

■ 29, 51.003,
293.673

■ 66, 11.631, 98.354

■ 25, 58.999,
296.578

■ 70, 17.655, 97.578

■ 74, 23.529, 96.894

■ 22, 66.856,
299.485

■ 79, 29.258, 96.289

■ 19, 73.168,
301.686

■ 83, 34.848, 95.751

Harmonies

Complementary

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



45, 21.032, 284.467



55, 20.320, 96.564

Rectangle

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



45, 21.032, 284.467



45, 21.032, 334.467



45, 21.032, 104.467



45, 21.032, 154.467

Sweetspot

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



45, 21.031, 284.466



69, 7.203, 281.217



55, 17.236, 179.112



36, 5.053, 281.378



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



45, 21.031, 284.466



54, 31.723, 285.822



44, 26.932, 303.317



27, 3.612, 281.211



18, 69.929, 301.539



0, 1.658, 280.136

Inverse Universe

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



46, 19.387, 6.320



55, 29.303, 7.454



56, 25.301, 119.361



27, 3.262, 3.667



27, 56.244, 27.442



0, 1.481, 2.908

Previews

White Background



This preview shows how the CIELCh color 45, 21.032, 284.467 looks on a white background.

Color Contrast Check

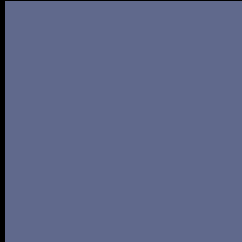
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 45, 21.032, 284.467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

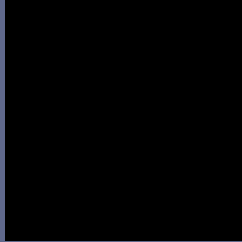
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

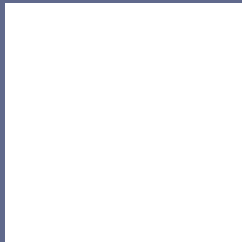
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 21.032, 284.467

Background



This preview shows how black text looks on a background with the CIELCh color 45, 21.032, 284.467.

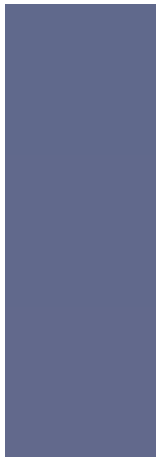


This preview shows how white text looks on a background with the CIELCh color 45, 21.032, 284.467.

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

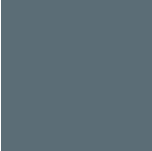
45, 21.032, 284.467

Protanopia

45, 20.993, 285.387

Deuteranopia

45, 20.960, 286.316



Tritanopia
45, 8.541, 237.974

Trichromacy



Original Color
45, 21.032, 284.467

Protanomaly
45, 20.993, 285.387

Deuteranomaly
45, 20.993, 285.387

Tritanomaly
45, 11.907, 264.019

Monochromacy



Original Color
45, 21.032, 284.467

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 7.824, 282.715

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 21.032, 284.467 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(96, 105, 140)` looks like.

```
.text, #text, p{  
    color:rgb(96, 105, 140)  
}
```

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(96, 105, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 105, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 21.032, 284.467 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(96, 105, 140) }
```

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

```
.border{ border-color:rgb(96, 105, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 105, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 105, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 105, 140);  
box-shadow:4px 4px 4px 4px rgb(96, 105,  
140) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 21.032, 284.467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 105, 140) }
```

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

```
.background{ background-color: rgb(96, 105,  
140) }
```

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