

Converting Colors

CIELCh(45, 21.261, 317.541)

Have a look what the booklet for
CIELCh(45, 21.261, 317.541)
contains.

CIELCh(45, 21.820, 317.627)	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, 21.820, 317.627)

Conversions

Conversions Part 1

Format	Color
Hex	7A6283
RGB	122, 98, 131
RGB Percent	48%, 38%, 51%
CMY	0.5211, 0.6153, 0.4858
CMYK	0.07, 0.25, 0.00, 0.49
HSL	284°, 14%, 45%
HSV	284°, 25%, 51%
XYZ	16.5226, 14.5417, 23.4471
YIQ	108.9380, 3.7110, 15.3510

Conversions

Conversions Part 2

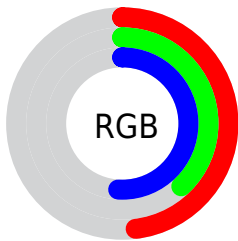
Format	Color
R_{YB}	122, 98, 131
Decimal	8020611
CIE Lab	45.00, 16.12, -14.71
CIE LCh	45, 21.820, 317.627
Yxy	14.5417, 0.3031, 0.2668
Android (android.graphics.Color)	4286210691 (0xFF7A6283)
YUV	108.9380, 10.8766, 11.4554
Hunter-Lab	38.1336, 10.6072, -9.7620

Details

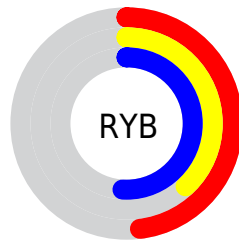
The CIELCh color $45, 21.820, 317.627$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $52, 21.468, 135.443$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 21.742, 317.876$, and $25, 22.283, 317.512$ is the 20% darker color. If you saturate the color by 10%, you get $41, 30.620, 318.044$, and if you desaturate by 10%, it is $49, 13.050, 317.201$.

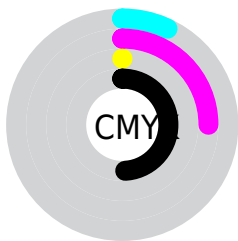
Distribution



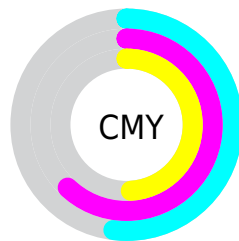
- Red (48%)
- Green (38%)
- Blue (51%)



- Red (48%)
- Yellow (38%)
- Blue (51%)



- Cyan (7%)
- Magenta (25%)
- Yellow (0%)
- Black (49%)




- Cyan (52%)
- Magenta (62%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 21.820, 317.627 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, 21.820, 317.627 by changing the saturation by 10% instead.


 45, 21.820,
317.627


 45, 21.820,
317.627


 100, 21.820,
317.627


 35, 21.820,
317.627

 65, 21.820,
317.627


 25, 21.820,
317.627

 75, 21.820,
317.627

 15, 21.820,
317.627

 85, 21.820,
317.627

 5, 21.820, 317.627

 95, 21.820,
317.627

 0, 21.820, 317.627

 45, 21.820,

 45, 21.820,

317.627

317.627

■ 41, 30.620,
318.044

■ 49, 13.050,
317.201

■ 38, 39.308,
318.432

■ 53, 4.408, 316.768

■ 34, 47.665,
318.765

■ 57, 4.053, 136.438

■ 31, 55.390,
319.002

■ 61, 12.302,
136.043

■ 29, 62.103,
319.096

■ 65, 20.326,
135.694

■ 26, 67.395,
318.992


■ 69, 28.121,
135.374

■ 25, 71.026,
318.657

■ 73, 35.691,
135.083

■ 24, 72.632,
318.491

■ 77, 43.042,
134.820

 81, 50.184,
134.582

Harmonies

Complementary

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



45, 21.820, 317.627



52, 21.468, 135.443

Rectangle

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



45, 21.820, 317.627



45, 21.820, 7.627



45, 21.820, 137.627



45, 21.820, 187.627

Sweetspot

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



45, 21.818, 317.627



66, 8.488, 316.902



45, 14.398, 278.389



34, 6.087, 316.960



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



45, 21.818, 317.627



56, 32.378, 317.859



46, 20.181, 332.680



26, 4.868, 316.944



24, 72.206, 318.498



0, 1.156, 316.588

Inverse Universe

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



45, 14.838, 0.444



56, 22.154, 1.163



52, 20.082, 149.344



26, 3.251, 358.647



26, 53.371, 21.680



0, 0.764, 357.875

Previews

White Background



This preview shows how the CIELCh color 45, 21.820, 317.627 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, 21.820, 317.627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

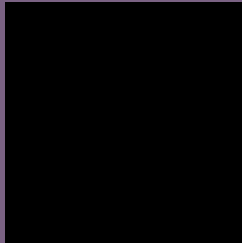
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 21.820, 317.627

Background



This preview shows how black text looks on a background with the CIELCh color 45, 21.820, 317.627.



This preview shows how white text looks on a background with the CIELCh color 45, 21.820, 317.627.

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, 21.820, 317.627

Protanopia

45, 18.574, 286.092

Deuteranopia

45, 15.556, 293.703



Tritanopia
45, 8.493, 346.428

Trichromacy



Original Color
45, 21.820, 317.627

Protanomaly
45, 19.286, 298.283

Deuteranomaly
45, 17.153, 303.880

Tritanomaly
45, 12.730, 328.295

Monochromacy



Original Color
45, 21.820, 317.627

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 8.047, 317.694

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 21.820, 317.627 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(122, 98, 131)` looks like.

```
.text, #text, p{  
    color:rgb(122, 98, 131)  
}
```

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(122, 98, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 98, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 21.820, 317.627 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(122, 98, 131) }
```

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

```
.border{ border-color:rgb(122, 98, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 98, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 98, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 98, 131);  
box-shadow:4px 4px 4px 4px rgb(122, 98,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 21.820, 317.627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 98, 131) }
```

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

```
.background{ background-color: rgb(122, 98,  
131) }
```

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