

Converting Colors

CIELCh(21, 66.854, 319.063)

Have a look what the booklet for
CIELCh(21, 66.854, 319.063)
contains.

CIELCh(21, 66.807, 318.839)	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(21, 66.807, 318.839)

Conversions

Conversions Part 1

Format	Color
Hex	560075
RGB	86, 0, 117
RGB Percent	34%, 0%, 46%
CMY	0.6634, 1.0000, 0.5419
CMYK	0.27, 1.00, 0.00, 0.54
HSL	284°, 100%, 23%
HSV	284°, 100%, 46%
XYZ	7.0197, 3.2451, 17.0330
YIQ	39.0520, 13.6990, 54.6190

Conversions

Conversions Part 2

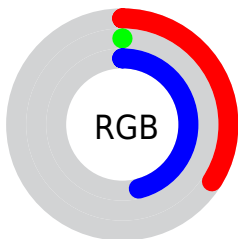
Format	Color
RYB	86, 0, 117
Decimal	5636213
CIELab	21.00, 50.30, -43.97
CIELCh	21, 66.807, 318.839
Yxy	3.2451, 0.2572, 0.1189
Android (android.graphics.Color)	4283826293 (0xFF560075)
YUV	39.0520, 38.4284, 41.1734
Hunter-Lab	18.0142, 38.0318, -43.4505

Details

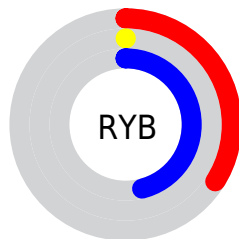
The CIELCh color **21, 66.807, 318.839** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **43, 64.906, 133.253**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **41, 66.776, 318.842**, and **7, 47.209, 314.182** is the 20% darker color. If you saturate the color by 10%, you get **21, 66.741, 318.827**, and if you desaturate by 10%, it is **22, 63.420, 319.121**.

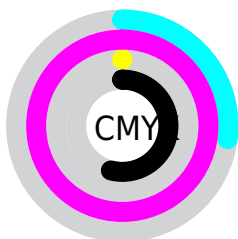
Distribution



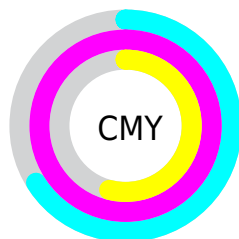
- Red (34%)
- Green (0%)
- Blue (46%)



- Red (34%)
- Yellow (0%)
- Blue (46%)



- Cyan (27%)
- Magenta (100%)
- Yellow (0%)
- Black (54%)





- Cyan (66%)
- Magenta (100%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 21, 66.807, 318.839 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 21, 66.807, 318.839 by changing the saturation by 10% instead.

 21, 66.807,
318.839


 21, 66.807,
318.839

 100, 66.807,
318.839


 11, 66.807,
318.839


 41, 66.807,
318.839


 1, 66.807, 318.839

 51, 66.807,
318.839

 0, 66.807, 318.839

 61, 66.807,
318.839

 71, 66.807,
318.839

 81, 66.807,
318.839

 91, 66.807,

318.839

■ 21, 66.807,
318.839

■ 21, 66.807,
318.839

■ 21, 66.741,
318.827

■ 22, 63.420,
319.121

■ 24, 59.220,
319.309

■ 27, 53.608,
319.286

■ 29, 46.929,
319.104

■ 32, 39.540,
318.811

■ 35, 31.739,
318.448

■ 39, 23.752,
318.046

■ 42, 15.739,
317.627

■ 46, 7.802, 317.205

Harmonies

Complementary

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



21, 66.807, 318.839



43, 64.906, 133.253

Rectangle

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



21, 66.807, 318.839



21, 66.807, 8.839



21, 66.807, 138.839



21, 66.807, 188.839

Sweetspot

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



21, 66.741, 318.827



50, 29.634, 318.078



17, 58.209, 298.571



24, 20.120, 318.213



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



21, 66.741, 318.827



29, 81.223, 318.607



25, 54.623, 339.663



23, 4.402, 317.164



22, 69.019, 318.785



48, 117.300, 318.318

Inverse Universe

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



23, 49.400, 21.622



32, 60.621, 23.248



42, 61.046, 140.097



23, 2.923, 359.151



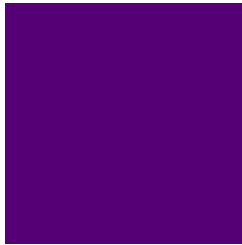
25, 51.164, 21.932



53, 88.619, 25.337

Previews

White Background



This preview shows how the CIELCh color 21, 66.807, 318.839 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 ✓ Pass

Black Background



This preview shows how the CIELCh color 21, 66.807, 318.839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

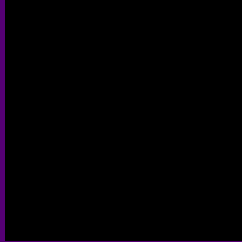
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 66.807, 318.839

Background



This preview shows how black text looks on a background with the CIELCh color 21, 66.807, 318.839.



This preview shows how white text looks on a background with the CIELCh color 21, 66.807, 318.839.

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

21, 66.807, 318.839

Protanopia

22, 39.118, 284.378

Deuteranopia

23, 28.307, 271.106



Tritanopia
23, 14.261, 14.673

Trichromacy



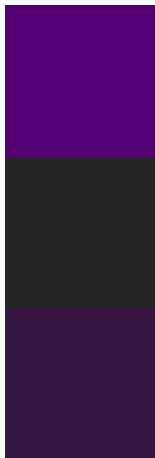
Original Color
21, 66.807, 318.839

Protanomaly
18, 53.308, 300.749

Deuteranomaly
18, 46.236, 298.633

Tritanomaly
20, 34.577, 330.578

Monochromacy



Original Color
21, 66.807, 318.839

Achromatopsia
16, 0.003, 296.813

Achromatomaly
15, 31.047, 319.162

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 66.807, 318.839 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(86, 0, 117)` looks like.

```
.text, #text, p{  
    color:rgb(86, 0, 117)  
}
```

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(86, 0, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 0, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 66.807, 318.839 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(86, 0, 117) }
```

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

```
.border{ border-color:rgb(86, 0, 117) }
```

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

Here you see how a box with a 4 pixel rgb(86, 0, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 0, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 0, 117);  
box-shadow:4px 4px 4px 4px rgb(86, 0, 117)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 66.807, 318.839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 0, 117) }
```

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

```
.background{ background-color: rgb(86, 0,  
117) }
```

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