

Converting Colors

CIELCh(21, 85.928, 307.185)

Have a look what the booklet for
CIELCh(21, 85.928, 307.185)
contains.

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Color

CIELCh(21, 86.087, 307.181)

Conversions

Conversions Part 1

Format	Color
Hex	2D0E9C
RGB	45, 14, 156
RGB Percent	18%, 5%, 61%
CMY	0.8250, 0.9464, 0.3893
CMYK	0.71, 0.91, 0.00, 0.39
HSL	253°, 84%, 33%
HSV	253°, 91%, 61%
XYZ	7.1946, 3.2451, 31.5754
YIQ	39.4570, -27.1060, 50.7340

Conversions

Conversions Part 2

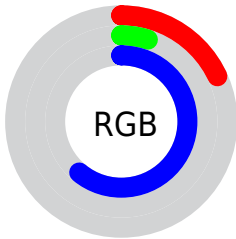
Format	Color
R_{YB}	45, 14, 156
Decimal	2952860
CIE _{Lab}	21.00, 52.03, -68.59
CIE _{LCh}	21, 86.087, 307.181
Yxy	3.2451, 0.1712, 0.0772
Android (android.graphics.Color)	4281142940 (0xFF2D0E9C)
YUV	39.4570, 57.4557, 4.8612
Hunter-Lab	18.0142, 39.7657, -91.3139

Details

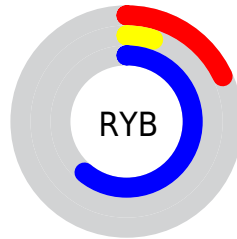
The CIELCh color **21, 86.087, 307.181** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **60, 66.804, 115.010**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **41, 86.277, 307.180**, and **9, 68.754, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **19, 90.850, 307.512**, and if you desaturate by 10%, it is **24, 78.858, 306.560**.

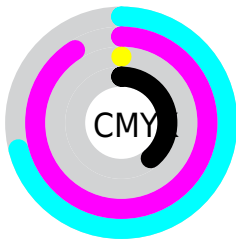
Distribution



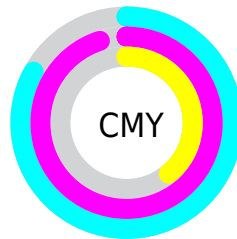
- Red (18%)
- Green (5%)
- Blue (61%)



- Red (18%)
- Yellow (5%)
- Blue (61%)



- Cyan (71%)
- Magenta (91%)
- Yellow (0%)
- Black (39%)



- Cyan (83%)
- Magenta (95%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 86.087, 307.181 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, 86.087, 307.181 by changing the saturation by 10% instead.

■ 21, 86.087,
307.181

■ 21, 86.087,
307.181

■ 100, 86.087,
307.181

■ 11, 86.087,
307.181

■ 41, 86.087,
307.181

■ 1, 86.087, 307.181

■ 51, 86.087,
307.181

■ 0, 86.087, 307.181

■ 61, 86.087,
307.181

■ 71, 86.087,
307.181

■ 81, 86.087,
307.181

■ 91, 86.087,

307.181

■ 21, 86.087,
307.181

■ 21, 86.087,
307.181

■ 19, 90.850,
307.512

■ 24, 78.858,
306.560

■ 28, 69.705,
305.576

■ 33, 59.627,
304.428

■ 38, 49.284,
303.258

■ 43, 39.035,
302.148

■ 48, 29.046,
301.136

■ 53, 19.383,
300.235

■ 58, 10.065,
299.444

■ 64, 1.085, 298.744

Harmonies

Complementary

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



21, 86.087, 307.181



60, 66.804, 115.010

Rectangle

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



21, 86.087, 307.181



21, 86.087, 357.181



21, 86.087, 127.181



21, 86.087, 177.181

Sweetspot

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



21, 86.088, 307.182



64, 30.769, 300.789



48, 29.803, 235.302



31, 21.019, 301.083



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



21, 86.088, 307.182



26, 110.172, 307.374



30, 79.697, 318.422



31, 5.115, 299.301



17, 85.206, 307.568



1, 6.583, 298.247

Inverse Universe

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



36, 66.669, 338.103



46, 81.703, 339.345



57, 76.966, 132.897



31, 5.246, 331.700



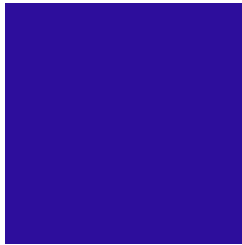
32, 63.630, 338.986



1, 6.656, 332.390

Previews

White Background



This preview shows how the CIE LCh color 21, 86.087, 307.181 looks on a white background.

Color Contrast Check

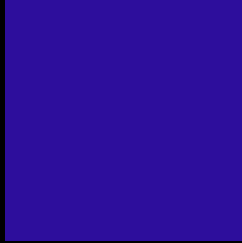
Large Text (above 18pt) WCAG AA ✓ Pass

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, 86.087, 307.181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

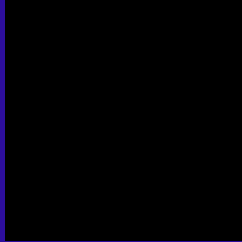
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 86.087, 307.181

Background



This preview shows how black text looks on a background with the CIELCh color 21, 86.087, 307.181.



This preview shows how white text looks on a background with the CIELCh color 21, 86.087, 307.181.

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, 86.087, 307.181

Protanopia
21, 37.400, 283.790

Deuteranopia
21, 26.076, 268.345



Tritanopia
21, 17.025, 203.450

Trichromacy



Original Color
21, 86.087, 307.181

Protanomaly
19, 57.547, 298.262

Deuteranomaly
19, 50.635, 295.978

Tritanomaly
18, 36.413, 289.069

Monochromacy



Original Color
21, 86.087, 307.181

Achromatopsia
16, 0.003, 296.813

Achromatomaly
15, 35.723, 304.052

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 86.087, 307.181 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(45, 14, 156)` looks like.

```
.text, #text, p{  
    color:rgb(45, 14, 156)  
}
```

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(45, 14, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 14, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 86.087, 307.181 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(45, 14, 156) }
```

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

```
.border{ border-color:rgb(45, 14, 156) }
```

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

Here you see how a box with a 4 pixel rgb(45, 14, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 14, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 14, 156);  
box-shadow:4px 4px 4px 4px rgb(45, 14,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 21, 86.087, 307.181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 14, 156) }
```

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

```
.background{ background-color: rgb(45, 14,  
156) }
```

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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