

Converting Colors

CIELCh(21, 55.509, 317.864)

Have a look what the booklet for
CIELCh(21, 55.509, 317.864)
contains.

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Color

CIELCh(21, 55.505, 317.821)

Conversions

Conversions Part 1

Format	Color
Hex	4F146A
RGB	79, 20, 106
RGB Percent	31%, 8%, 42%
CMY	0.6886, 0.9198, 0.5827
CMYK	0.25, 0.81, 0.00, 0.58
HSL	281°, 68%, 25%
HSV	281°, 81%, 42%
XYZ	6.1393, 3.2451, 14.0486
YIQ	47.4450, 7.5580, 39.2540

Conversions

Conversions Part 2

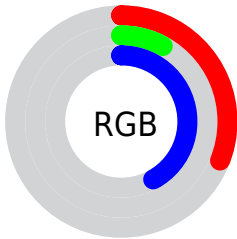
Format	Color
R _Y B	79, 20, 106
Decimal	5182570
CIE Lab	21.00, 41.13, -37.27
CIE LCh	21, 55.505, 317.821
Yxy	3.2451, 0.2620, 0.1385
Android (android.graphics.Color)	4283372650 (0xFF4F146A)
YUV	47.4450, 28.8676, 27.6737
Hunter-Lab	18.0142, 29.3082, -33.6279




Details

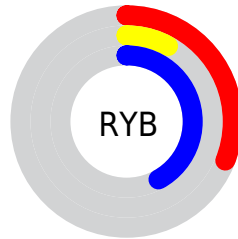
The CIELCh color **21, 55.505, 317.821** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **40, 52.884, 131.916**, and the grayscale version is **20, 0.004, 296.813**.




A 20% lighter version of the original color is **41, 55.763, 317.748**, and **6, 41.183, 314.471** is the 20% darker color. If you saturate the color by 10%, you get **19, 59.600, 317.626**, and if you desaturate by 10%, it is **23, 50.136, 317.794**.

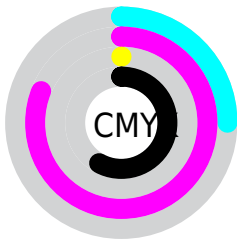
Distribution







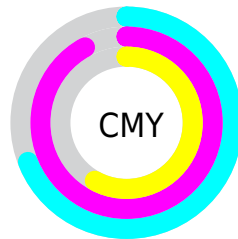
-  Red (31%)
-  Green (8%)
-  Blue (42%)






-  Red (31%)
-  Yellow (8%)
-  Blue (42%)



-  Cyan (25%)
-  Magenta (81%)
-  Yellow (0%)
-  Black (58%)



-  Cyan (69%)
-  Magenta (92%)
-  Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 55.505, 317.821 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, 55.505, 317.821 by changing the saturation by 10% instead.

■ 21, 55.505,
317.821

■ 21, 55.505,
317.821

■ 100, 55.505,
317.821

■ 11, 55.505,
317.821

■ 41, 55.505,
317.821

■ 1, 55.505, 317.821

■ 51, 55.505,
317.821

■ 0, 55.505, 317.821

■ 61, 55.505,
317.821

■ 71, 55.505,
317.821

■ 81, 55.505,
317.821

■ 91, 55.505,

317.821

■ 21, 55.505,
317.821

■ 21, 55.505,
317.821

■ 19, 59.600,
317.626

■ 23, 50.136,
317.794

■ 18, 62.936,
317.411

■ 26, 43.836,
317.603

■ 29, 36.936,
317.301

■ 32, 29.705,
316.932

■ 35, 22.340,
316.528

■ 38, 14.975,
316.112

■ 41, 7.697, 315.697

■ 45, 0.557, 315.119

■ 48, 6.414, 134.967

Harmonies

Complementary

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



21, 55.505, 317.821



40, 52.884, 131.916

Rectangle

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



21, 55.505, 317.821



21, 55.505, 7.821



21, 55.505, 137.821



21, 55.505, 187.821

Sweetspot

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



21, 55.504, 317.821



47, 21.436, 316.273



21, 39.539, 289.481



23, 14.643, 316.382



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



21, 55.504, 317.821



25, 74.766, 317.268



25, 48.869, 335.122



21, 4.025, 315.621



20, 67.492, 317.308



45, 116.529, 316.754

Inverse Universe

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



23, 39.460, 8.967



29, 53.757, 16.972



39, 51.130, 141.759



21, 2.772, 355.723



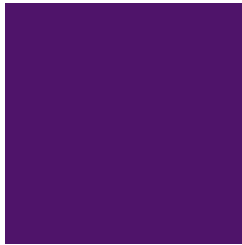
23, 48.560, 17.346



52, 84.938, 20.935

Previews

White Background



This preview shows how the CIE LCh color 21, 55.505, 317.821 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, 55.505, 317.821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

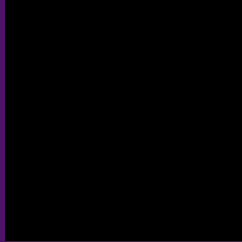
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 55.505, 317.821

Background



This preview shows how black text looks on a background with the CIELCh color 21, 55.505, 317.821.



This preview shows how white text looks on a background with the CIELCh color 21, 55.505, 317.821.

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, 55.505, 317.821

Protanopia

21, 38.017, 284.265

Deuteranopia

21, 28.306, 272.638



Tritanopia
22, 12.340, 12.945

Trichromacy



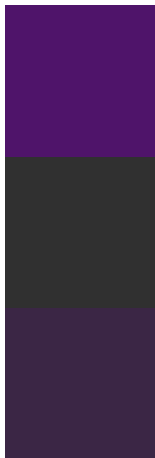
Original Color
21, 55.505, 317.821

Protanomaly
19, 45.368, 296.865

Deuteranomaly
19, 38.800, 294.159

Tritanomaly
20, 26.560, 330.181

Monochromacy



Original Color
21, 55.505, 317.821

Achromatopsia
20, 0.004, 296.813

Achromatomaly
19, 22.831, 316.719

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 55.505, 317.821 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(79, 20, 106)` looks like.

```
.text, #text, p{  
    color:rgb(79, 20, 106)  
}
```

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(79, 20, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 20, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 55.505, 317.821 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(79, 20, 106) }
```

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

```
.border{ border-color:rgb(79, 20, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 20, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 20, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 20, 106);  
box-shadow:4px 4px 4px 4px rgb(79, 20,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 21, 55.505, 317.821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 20, 106) }
```

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

```
.background{ background-color: rgb(79, 20,  
106) }
```

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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