

Converting Colors

CIELCh(21, 55.863, 316.264)

Have a look what the booklet for
CIELCh(21, 55.863, 316.264)
contains.

CIELCh(21, 55.718, 316.444)	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, 55.718, 316.444)

Conversions

Conversions Part 1

Format	Color
Hex	4D166C
RGB	77, 22, 108
RGB Percent	30%, 9%, 42%
CMY	0.6976, 0.9133, 0.5761
CMYK	0.29, 0.80, 0.00, 0.58
HSL	278°, 66%, 26%
HSV	278°, 80%, 42%
XYZ	6.0704, 3.2451, 14.5227
YIQ	48.2490, 5.1740, 38.4060

Conversions

Conversions Part 2

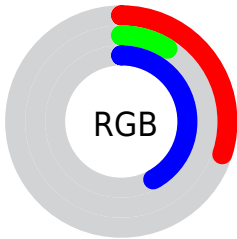
Format	Color
R_{YB}	77, 22, 108
Decimal	5052012
CIE Lab	21.00, 40.38, -38.39
CIE LCh	21, 55.718, 316.444
Yxy	3.2451, 0.2546, 0.1361
Android (android.graphics.Color)	4283242092 (0xFF4D166C)
YUV	48.2490, 29.4572, 25.2146
Hunter-Lab	18.0142, 28.6256, -35.1885




Details

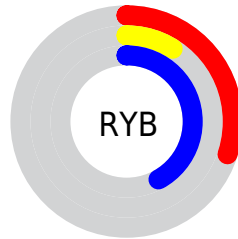
The CIELCh color **21, 55.718, 316.444** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **41, 52.283, 130.694**, and the grayscale version is **20, 0.004, 296.813**.



A 20% lighter version of the original color is **41, 55.436, 316.322**, and **6, 42.455, 313.064** is the 20% darker color. If you saturate the color by 10%, you get **19, 60.213, 316.284**, and if you desaturate by 10%, it is **23, 49.993, 316.375**.

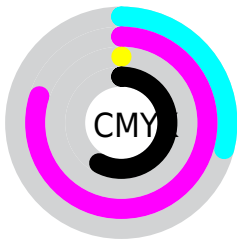
Distribution







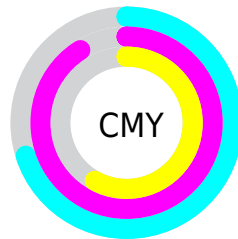
-  Red (30%)
-  Green (9%)
-  Blue (42%)






-  Red (30%)
-  Yellow (9%)
-  Blue (42%)



-  Cyan (29%)
-  Magenta (80%)
-  Yellow (0%)
-  Black (58%)



-  Cyan (70%)
-  Magenta (91%)
-  Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 55.718, 316.444 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, 55.718, 316.444 by changing the saturation by 10% instead.

■ 21, 55.718,
316.444

■ 21, 55.718,
316.444

■ 100, 55.718,
316.444

■ 11, 55.718,
316.444

■ 41, 55.718,
316.444

■ 1, 55.718, 316.444

■ 51, 55.718,
316.444

■ 0, 55.718, 316.444

■ 61, 55.718,
316.444

■ 71, 55.718,
316.444

■ 81, 55.718,
316.444

■ 91, 55.718,

316.444

■ 21, 55.718,
316.444

■ 21, 55.718,
316.444

■ 19, 60.213,
316.284

■ 23, 49.993,
316.375

■ 17, 64.008,
316.040

■ 26, 43.411,
316.143

■ 17, 64.193,
316.034

■ 29, 36.308,
315.807

■ 32, 28.945,
315.412

■ 36, 21.504,
314.991

■ 39, 14.103,
314.565

■ 42, 6.816, 314.147

■ 46, 0.314, 134.103

■ 49, 7.264, 133.424

Harmonies

Complementary

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



21, 55.718, 316.444



41, 52.283, 130.694

Rectangle

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



21, 55.718, 316.444



21, 55.718, 6.444



21, 55.718, 136.444



21, 55.718, 186.444

Sweetspot

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



21, 55.717, 316.444



48, 21.541, 314.782



23, 36.422, 285.638



23, 14.948, 314.898



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



21, 55.717, 316.444



25, 75.669, 315.960



26, 50.766, 332.853



20, 3.979, 314.122



19, 68.073, 315.941



44, 117.620, 315.343

Inverse Universe

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



24, 39.587, 4.797



29, 53.310, 11.902



40, 52.876, 140.555



21, 2.843, 352.627



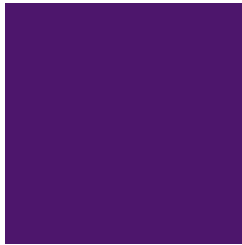
24, 47.924, 13.083



52, 83.314, 16.550

Previews

White Background



This preview shows how the CIELCh color 21, 55.718, 316.444 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, 55.718, 316.444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

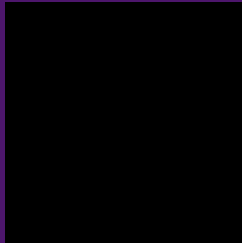
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 55.718, 316.444

Background



This preview shows how black text looks on a background with the CIELCh color 21, 55.718, 316.444.



This preview shows how white text looks on a background with the CIELCh color 21, 55.718, 316.444.

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, 55.718, 316.444

Protanopia

21, 38.017, 284.265

Deuteranopia

21, 27.736, 271.757



Tritanopia
21, 10.348, 10.606

Trichromacy



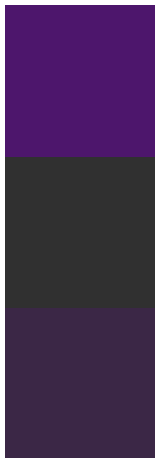
Original Color
21, 55.718, 316.444

Protanomaly
19, 45.295, 296.250

Deuteranomaly
19, 38.090, 293.153

Tritanomaly
20, 25.965, 327.549

Monochromacy



Original Color
21, 55.718, 316.444

Achromatopsia
20, 0.004, 296.813

Achromatomaly
19, 22.655, 315.678

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 55.718, 316.444 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(77, 22, 108)` looks like.

```
.text, #text, p{  
    color:rgb(77, 22, 108)  
}
```

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(77, 22, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 22, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 55.718, 316.444 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(77, 22, 108) }
```

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

```
.border{ border-color:rgb(77, 22, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 22, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 22, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 22, 108);  
box-shadow:4px 4px 4px 4px rgb(77, 22,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 21, 55.718, 316.444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 22, 108) }
```

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

```
.background{ background-color: rgb(77, 22,  
108) }
```

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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