

Converting Colors

CIELCh(21, 36.361, 9.535)

Have a look what the booklet for
CIELCh(21, 36.361, 9.535) contains.

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Color

CIELCh(21, 36.228, 9.427)

Conversions

Conversions Part 1

Format	Color
Hex	61142B
RGB	97, 20, 43
RGB Percent	38%, 8%, 17%
CMY	0.6184, 0.9203, 0.8305
CMYK	0.00, 0.79, 0.56, 0.62
HSL	342°, 65%, 23%
HSV	342°, 79%, 38%
XYZ	5.6573, 3.2451, 2.6363
YIQ	45.6450, 38.5090, 23.4770

Conversions

Conversions Part 2

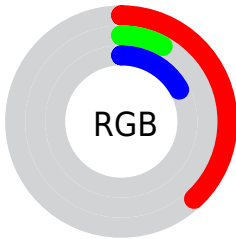
Format	Color
RYB	97, 20, 43
Decimal	6362155
CIELab	21.00, 35.74, 5.93
CIELCh	21, 36.228, 9.427
Yxy	3.2451, 0.4903, 0.2812
Android (android.graphics.Color)	4284552235 (0xFF61142B)
YUV	45.6450, -1.3040, 45.0383
Hunter-Lab	18.0142, 24.5326, 3.9332

Details

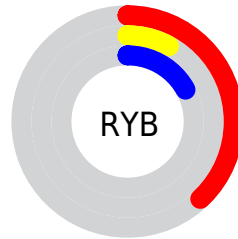
The CIELCh color **21, 36.228, 9.427** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **36, 29.557, 167.060**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **41, 36.212, 9.917**, and **6, 25.203, 19.932** is the 20% darker color. If you saturate the color by 10%, you get **20, 39.341, 13.191**, and if you desaturate by 10%, it is **23, 32.430, 6.402**.

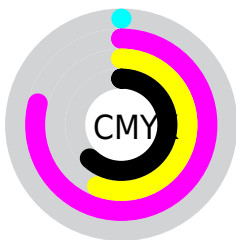
Distribution



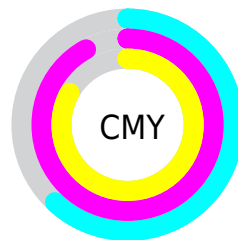
- Red (38%)
- Green (8%)
- Blue (17%)



- Red (38%)
- Yellow (8%)
- Blue (17%)



- Cyan (0%)
- Magenta (79%)
- Yellow (56%)
- Black (62%)



- Cyan (62%)
- Magenta (92%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 36.228, 9.427 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, 36.228, 9.427 by changing the saturation by 10% instead.

■ 21, 36.228, 9.427 ■ 21, 36.228, 9.427

■ 100, 36.228, 9.427 ■ 11, 36.228, 9.427

■ 41, 36.228, 9.427 ■ 1, 36.228, 9.427

■ 51, 36.228, 9.427 ■ 0, 36.228, 9.427

■ 61, 36.228, 9.427

■ 71, 36.228, 9.427

■ 81, 36.228, 9.427

■ 91, 36.228, 9.427

■ 21, 36.228, 9.427 ■ 21, 36.228, 9.427

■ 20, 39.341, 13.191 ■ 23, 32.430, 6.402

19, 42.282, 17.136

25, 28.089, 3.975

19, 42.565, 17.456

27, 23.392, 2.012

30, 18.523, 0.398

33, 13.627,
359.044

35, 8.805, 357.885

38, 4.123, 356.853

42, 0.387, 176.781

45, 4.709, 175.330

Harmonies

Complementary

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



21, 36.228, 9.427



36, 29.557, 167.060

Rectangle

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



21, 36.228, 9.427



21, 36.228, 59.427



21, 36.228, 189.427



21, 36.228, 239.427

Sweetspot

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



21, 36.226, 9.429



44, 13.936, 358.516



19, 50.930, 318.259



21, 9.526, 358.808



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



21, 36.226, 9.429



26, 50.356, 17.113



23, 36.146, 41.745



18, 2.526, 356.828



22, 47.270, 18.508



51, 84.250, 22.349

Inverse Universe

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



21, 36.226, 9.429



26, 50.356, 17.113



32, 19.701, 227.373



18, 2.526, 356.828



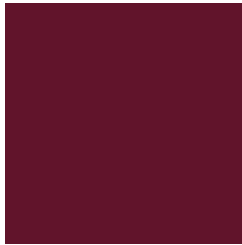
22, 47.270, 18.508



51, 84.250, 22.349

Previews

White Background



This preview shows how the CIE LCh color 21, 36.228, 9.427 looks on a white background.

Color Contrast Check

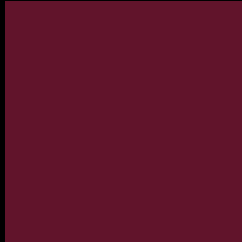
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 21, 36.228, 9.427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

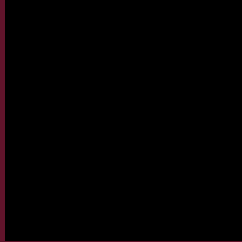
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 36.228, 9.427

Background



This preview shows how black text looks on a background with the CIELCh color 21, 36.228, 9.427.



This preview shows how white text looks on a background with the CIELCh color 21, 36.228, 9.427.

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, 36.228, 9.427

Protanopia

22, 4.721, 285.912

Deuteranopia

22, 9.134, 66.766



Tritanopia
21, 36.697, 29.165

Trichromacy



Original Color
21, 36.228, 9.427

Protanomaly
20, 15.596, 349.312

Deuteranomaly
20, 18.195, 19.729

Tritanomaly
21, 35.946, 22.105

Monochromacy



Original Color
21, 36.228, 9.427

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 14.557, 1.474

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 36.228, 9.427 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(97, 20, 43)` looks like.

```
.text, #text, p{  
    color:rgb(97, 20, 43)  
}
```

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(97, 20, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 20, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 36.228, 9.427 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(97, 20, 43) }
```

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

```
.border{ border-color:rgb(97, 20, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 20, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 20, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 20, 43);  
box-shadow:4px 4px 4px 4px rgb(97, 20, 43)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 36.228, 9.427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 20, 43) }
```

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

```
.background{ background-color: rgb(97, 20,  
43) }
```

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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