

Converting Colors

CIELCh(21, 46.556, 22.306)

Have a look what the booklet for
CIELCh(21, 46.556, 22.306) contains.

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Color

CIELCh(21, 46.352, 22.344)

Conversions

Conversions Part 1

Format	Color
Hex	6B011B
RGB	107, 1, 27
RGB Percent	42%, 0%, 11%
CMY	0.5796, 0.9950, 0.8936
CMYK	0.00, 0.99, 0.75, 0.58
HSL	345°, 98%, 21%
HSV	345°, 99%, 42%
XYZ	6.3004, 3.2451, 1.3397
YIQ	35.6580, 54.8300, 30.5580

Conversions

Conversions Part 2

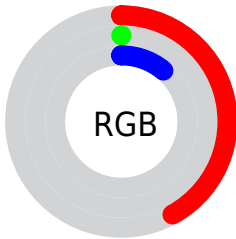
Format	Color
RYB	107, 1, 27
Decimal	7012635
CIELab	21.00, 42.87, 17.62
CIElCh	21, 46.352, 22.344
Yxy	3.2451, 0.5788, 0.2981
Android (android.graphics.Color)	4285202715 (0xFF6B011B)
YUV	35.6580, -4.2684, 62.5669
Hunter-Lab	18.0142, 30.9046, 8.2007

Details

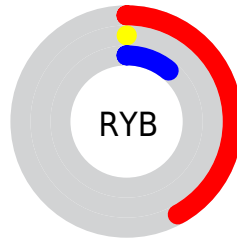
The CIELCh color **21, 46.352, 22.344** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **40, 34.032, 167.877**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **41, 46.200, 22.253**, and **7, 28.690, 22.151** is the 20% darker color. If you saturate the color by 10%, you get **21, 46.787, 22.810**, and if you desaturate by 10%, it is **22, 42.927, 18.028**.

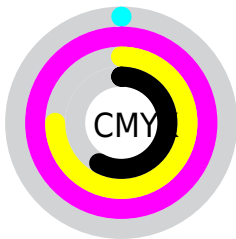
Distribution



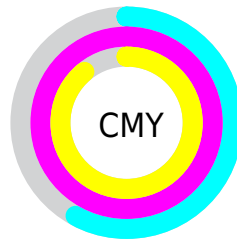
- Red (42%)
- Green (0%)
- Blue (11%)



- Red (42%)
- Yellow (0%)
- Blue (11%)



- Cyan (0%)
- Magenta (99%)
- Yellow (75%)
- Black (58%)



- Cyan (58%)
- Magenta (100%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 46.352, 22.344 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, 46.352, 22.344 by changing the saturation by 10% instead.

■ 21, 46.352, 22.344

■ 21, 46.352, 22.344

■ 100, 46.352,
22.344

■ 11, 46.352, 22.344

■ 41, 46.352, 22.344

■ 1, 46.352, 22.344

■ 51, 46.352, 22.344

■ 0, 46.352, 22.344

■ 61, 46.352, 22.344

■ 71, 46.352, 22.344

■ 81, 46.352, 22.344

■ 91, 46.352, 22.344

■ 21, 46.352, 22.344

■ 21, 46.352, 22.344

21, 46.787, 22.810

22, 42.927, 18.028

23, 39.246, 13.996

25, 34.919, 10.731

27, 30.076, 8.119

30, 24.912, 6.021

33, 19.616, 4.314

36, 14.339, 2.901

39, 9.184, 1.704

42, 4.212, 0.649

Harmonies

Complementary

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



21, 46.352, 22.344



40, 34.032, 167.877

Rectangle

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



21, 46.352, 22.344



21, 46.352, 72.344



21, 46.352, 202.344



21, 46.352, 252.344

Sweetspot

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



21, 46.350, 22.346



46, 18.674, 3.166



19, 62.194, 319.420



22, 12.906, 3.605



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, 46.350, 22.346



29, 57.369, 24.558



24, 48.169, 44.954



21, 2.682, 0.664



23, 50.073, 23.444



51, 88.340, 27.039

Inverse Universe

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



21, 46.350, 22.346



29, 57.369, 24.558



32, 23.738, 243.303



21, 2.682, 0.664



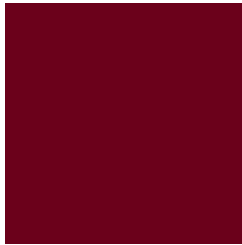
23, 50.073, 23.444



51, 88.340, 27.039

Previews

White Background



This preview shows how the CIELCh color 21, 46.352, 22.344 looks on a white background.

Color Contrast Check

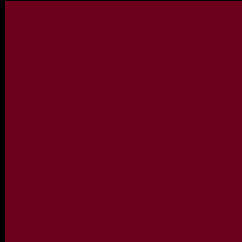
Large Text (above 18pt) WCAG AA ✓ Pass

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, 46.352, 22.344 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, 46.352, 22.344

Background



This preview shows how black text looks on a background with the CIELCh color 21, 46.352, 22.344.



This preview shows how white text looks on a background with the CIELCh color 21, 46.352, 22.344.

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, 46.352, 22.344

Protanopia

23, 8.862, 95.188

Deuteranopia

23, 22.159, 82.274



Tritanopia
22, 49.607, 36.581

Trichromacy



Original Color
21, 46.352, 22.344

Protanomaly
19, 21.136, 23.088

Deuteranomaly
20, 28.064, 39.990

Tritanomaly
21, 48.629, 32.648

Monochromacy



Original Color
21, 46.352, 22.344

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 20.445, 7.006

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 46.352, 22.344 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(107, 1, 27)` looks like.

```
.text, #text, p{  
    color:rgb(107, 1, 27)  
}
```

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(107, 1, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 1, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 46.352, 22.344 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(107, 1, 27) }
```

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

```
.border{ border-color:rgb(107, 1, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 1, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 1, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 1, 27);  
box-shadow:4px 4px 4px 4px rgb(107, 1, 27)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 46.352, 22.344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 1, 27) }
```

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

```
.background{ background-color: rgb(107, 1,  
27) }
```

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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