

Converting Colors

CIELCh(23, 49.577, 21.750)

Have a look what the booklet for
CIELCh(23, 49.577, 21.750) contains.

CIELCh(23, 49.296, 22.153)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(23, 49.296, 22.153)

Conversions

Conversions Part 1

Format	Color
Hex	74001E
RGB	116, 0, 30
RGB Percent	45%, 0%, 12%
CMY	0.5453, 1.0000, 0.8825
CMYK	0.00, 1.00, 0.74, 0.55
HSL	344°, 100%, 23%
HSV	344°, 100%, 45%
XYZ	7.4269, 3.8003, 1.5674
YIQ	38.1040, 59.5060, 33.9220

Conversions

Conversions Part 2

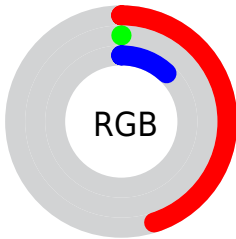
Format	Color
R_{YB}	116, 0, 30
Decimal	7602206
CIE _{Lab}	23.00, 45.66, 18.59
CIE _{LCh}	23, 49.296, 22.153
Yxy	3.8003, 0.5805, 0.2970
Android (android.graphics.Color)	4285792286 (0xFF74001E)
YUV	38.1040, -3.9953, 68.3148
Hunter-Lab	19.4944, 33.8894, 8.8789

Details

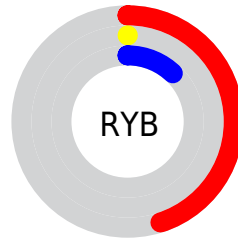
The CIELCh color **23, 49.296, 22.153** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **43, 36.941, 166.258**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 49.289, 22.386**, and **9, 31.983, 25.401** is the 20% darker color. If you saturate the color by 10%, you get **23, 49.281, 22.170**, and if you desaturate by 10%, it is **24, 45.847, 17.728**.

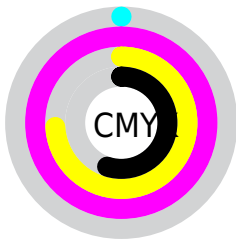
Distribution



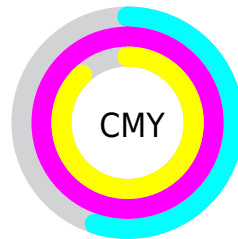
- Red (45%)
- Green (0%)
- Blue (12%)



- Red (45%)
- Yellow (0%)
- Blue (12%)



- Cyan (0%)
- Magenta (100%)
- Yellow (74%)
- Black (55%)



- Cyan (55%)
- Magenta (100%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 23, 49.296, 22.153 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 23, 49.296, 22.153 by changing the saturation by 10% instead.

■ 23, 49.296, 22.153

■ 23, 49.296, 22.153

■ 100, 49.296,
22.153

■ 13, 49.296, 22.153

■ 43, 49.296, 22.153

■ 3, 49.296, 22.153

■ 53, 49.296, 22.153

■ 0, 49.296, 22.153

■ 63, 49.296, 22.153

■ 73, 49.296, 22.153

■ 83, 49.296, 22.153

■ 93, 49.296, 22.153

■ 23, 49.296, 22.153

■ 23, 49.296, 22.153

23, 49.281, 22.170

24, 45.847, 17.728

25, 42.171, 13.541

27, 37.757, 10.150

30, 32.729, 7.442

32, 27.296, 5.272

35, 21.671, 3.512

38, 16.029, 2.057

42, 10.493, 0.827

45, 5.138, 359.752

Harmonies

Complementary

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



23, 49.296, 22.153



43, 36.941, 166.258

Rectangle

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



23, 49.296, 22.153



23, 49.296, 72.153



23, 49.296, 202.153



23, 49.296, 252.153

Sweetspot

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



23, 49.281, 22.170



49, 19.868, 2.159



21, 66.388, 318.792



24, 13.730, 2.622



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



23, 49.281, 22.170



31, 60.070, 23.757



25, 52.571, 44.480



23, 2.914, 359.654



25, 51.340, 22.532



53, 88.993, 25.931

Inverse Universe

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



23, 49.281, 22.170



31, 60.070, 23.757



35, 24.934, 240.751



23, 2.914, 359.654



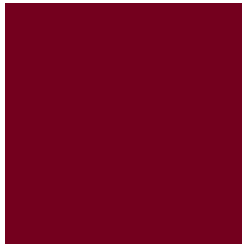
25, 51.340, 22.532



53, 88.993, 25.931

Previews

White Background



This preview shows how the CIELCh color 23, 49.296, 22.153 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 23, 49.296, 22.153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

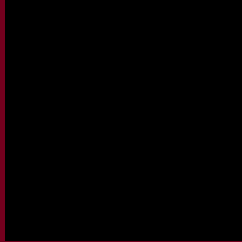
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 49.296, 22.153

Background



This preview shows how black text looks on a background with the CIELCh color 23, 49.296, 22.153.



This preview shows how white text looks on a background with the CIELCh color 23, 49.296, 22.153.

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

23, 49.296, 22.153

Protanopia

25, 9.376, 96.087

Deuteranopia

25, 22.751, 81.881



Tritanopia
24, 53.122, 37.076

Trichromacy



Original Color
23, 49.296, 22.153

Protanomaly
21, 22.279, 21.612

Deuteranomaly
22, 30.001, 38.039

Tritanomaly
23, 51.724, 32.903

Monochromacy



Original Color
23, 49.296, 22.153

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 21.794, 6.895

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 49.296, 22.153 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(116, 0, 30)` looks like.

```
.text, #text, p{  
  color:rgb(116, 0, 30)  
}
```

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(116, 0, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 0, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 49.296, 22.153 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(116, 0, 30) }
```

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

```
.border{ border-color:rgb(116, 0, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 0, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 0, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 0, 30);  
box-shadow:4px 4px 4px 4px rgb(116, 0, 30)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 49.296, 22.153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 0, 30) }
```

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

```
.background{ background-color: rgb(116, 0,  
30) }
```

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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