

Converting Colors

CIELCh(23, 39.345, 6.541)

Have a look what the booklet for
CIELCh(23, 39.345, 6.541) contains.

CIELCh(23, 39.470, 6.211)	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, 39.470, 6.211)

Conversions

Conversions Part 1

Format	Color
Hex	6A1432
RGB	106, 20, 50
RGB Percent	42%, 8%, 20%
CMY	0.5841, 0.9213, 0.8038
CMYK	0.00, 0.81, 0.53, 0.58
HSL	339°, 68%, 25%
HSV	339°, 81%, 42%
XYZ	6.7778, 3.8003, 3.3986
YIQ	49.1340, 41.6260, 27.5620

Conversions

Conversions Part 2

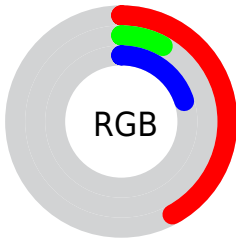
Format	Color
R_{YB}	106, 20, 50
Decimal	6951986
CIE _{Lab}	23.00, 39.24, 4.27
CIE _{LCh}	23, 39.470, 6.211
Yxy	3.8003, 0.4849, 0.2719
Android (android.graphics.Color)	4285142066 (0xFF6A1432)
YUV	49.1340, 0.4269, 49.8715
Hunter-Lab	19.4944, 27.9456, 3.3098

Details

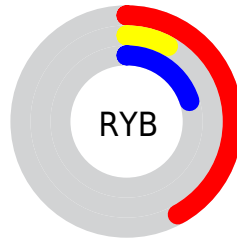
The CIELCh color **23, 39.470, 6.211** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **40, 33.874, 162.941**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 39.555, 5.886**, and **7, 29.115, 21.854** is the 20% darker color. If you saturate the color by 10%, you get **22, 42.279, 10.002**, and if you desaturate by 10%, it is **25, 35.799, 3.176**.

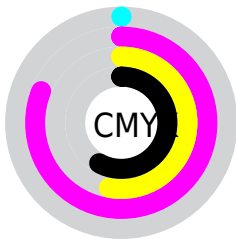
Distribution



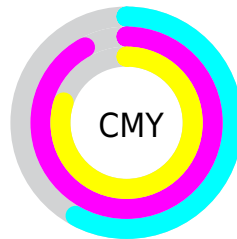
- Red (42%)
- Green (8%)
- Blue (20%)



- Red (42%)
- Yellow (8%)
- Blue (20%)



- Cyan (0%)
- Magenta (81%)
- Yellow (53%)
- Black (58%)



- Cyan (58%)
- Magenta (92%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 23, 39.470, 6.211 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, 39.470, 6.211 by changing the saturation by 10% instead.

 23, 39.470, 6.211  23, 39.470, 6.211

 100, 39.470, 6.211  13, 39.470, 6.211

 43, 39.470, 6.211  3, 39.470, 6.211

 53, 39.470, 6.211  0, 39.470, 6.211

 63, 39.470, 6.211

 73, 39.470, 6.211

 83, 39.470, 6.211

 93, 39.470, 6.211

 23, 39.470, 6.211  23, 39.470, 6.211

 22, 42.279, 10.002  25, 35.799, 3.176

■ 21, 44.656, 13.505

■ 27, 31.405, 0.748

■ 29, 26.500,
358.784

■ 32, 21.303,
357.168

■ 35, 15.998,
355.810

■ 38, 10.716,
354.643

■ 41, 5.545, 353.610

■ 44, 0.535, 352.230

■ 48, 4.291, 172.045

Harmonies

Complementary

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



23, 39.470, 6.211



40, 33.874, 162.941

Rectangle

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



23, 39.470, 6.211



23, 39.470, 56.211



23, 39.470, 186.211



23, 39.470, 236.211

Sweetspot

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



23, 39.468, 6.213



48, 15.191, 355.043



20, 55.612, 316.745



23, 10.392, 355.347



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



23, 39.468, 6.213



29, 53.231, 13.812



24, 41.095, 39.160



21, 2.824, 353.401



24, 48.056, 14.180



52, 83.674, 17.686

Inverse Universe

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



23, 39.468, 6.213



29, 53.231, 13.812



36, 21.509, 219.201



21, 2.824, 353.401



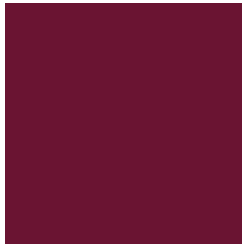
24, 48.056, 14.180



52, 83.674, 17.686

Previews

White Background



This preview shows how the CIE LCh color 23, 39.470, 6.211 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, 39.470, 6.211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

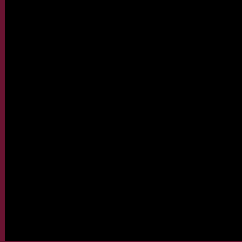
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 39.470, 6.211

Background



This preview shows how black text looks on a background with the CIELCh color 23, 39.470, 6.211.



This preview shows how white text looks on a background with the CIELCh color 23, 39.470, 6.211.

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, 39.470, 6.211

Protanopia

24, 8.658, 286.505

Deuteranopia

24, 8.110, 66.751



Tritanopia
23, 40.298, 29.911

Trichromacy



Original Color
23, 39.470, 6.211

Protanomaly
22, 18.290, 340.100

Deuteranomaly
22, 19.317, 14.365

Tritanomaly
23, 39.035, 21.843

Monochromacy



Original Color
23, 39.470, 6.211

Achromatopsia
20, 0.004, 296.813

Achromatomaly
20, 16.787, 357.814

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 39.470, 6.211 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(106, 20, 50)` looks like.

```
.text, #text, p{  
    color:rgb(106, 20, 50)  
}
```

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(106, 20, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 20, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 39.470, 6.211 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(106, 20, 50) }
```

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

```
.border{ border-color:rgb(106, 20, 50) }
```

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

Here you see how a box with a 4 pixel rgb(106, 20, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 20, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 20, 50);  
box-shadow:4px 4px 4px 4px rgb(106, 20,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 23, 39.470, 6.211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 20, 50) }
```

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

```
.background{ background-color: rgb(106, 20,  
50) }
```

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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