

Converting Colors

CIELCh(46, 72.723, 50.981)

Have a look what the booklet for
CIELCh(46, 72.723, 50.981) contains.

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Color

CIELCh(46, 72.835, 50.921)

Conversions

Conversions Part 1

Format	Color
Hex	BE4601
RGB	190, 70, 1
RGB Percent	75%, 27%, 0%
CMY	0.2559, 0.7263, 0.9970
CMYK	0.00, 0.63, 1.00, 0.26
HSL	22°, 99%, 37%
HSV	22°, 100%, 74%
XYZ	23.3513, 15.2687, 1.7379
YIQ	98.0140, 93.6690, 3.9810

Conversions

Conversions Part 2

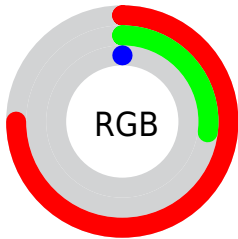
Format	Color
R_{YB}	190, 110, 1
Decimal	12469761
CIE Lab	46.00, 45.91, 56.54
CIE LCh	46, 72.835, 50.921
Yxy	15.2687, 0.5786, 0.3783
Android (android.graphics.Color)	4290659841 (0xFFBE4601)
YUV	98.0140, -47.8279, 80.6717
Hunter-Lab	39.0751, 38.2899, 24.7156

Details

The CIELCh color **46, 72.835, 50.921** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **49, 43.967, 267.185**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 72.819, 50.811**, and **26, 60.234, 39.921** is the 20% darker color. If you saturate the color by 10%, you get **46, 73.090, 50.880**, and if you desaturate by 10%, it is **48, 66.556, 52.517**.

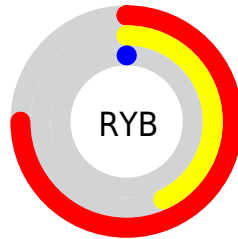
Distribution



Red (75%)

Green (27%)

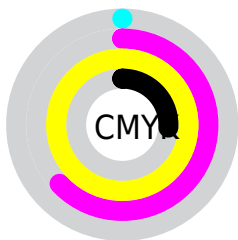
Blue (0%)



Red (75%)

Yellow (43%)

Blue (0%)

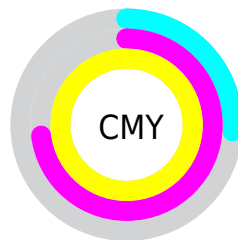


Cyan (0%)

Magenta (63%)

Yellow (100%)

Black (26%)



Cyan (26%)

Magenta (73%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 72.835, 50.921 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 46, 72.835, 50.921 by changing the saturation by 10% instead.

■ 46, 72.835, 50.921

■ 46, 72.835, 50.921

■ 100, 72.835,
50.921

■ 36, 72.835, 50.921

■ 66, 72.835, 50.921

■ 26, 72.835, 50.921

■ 76, 72.835, 50.921

■ 16, 72.835, 50.921

■ 86, 72.835, 50.921

■ 6, 72.835, 50.921

■ 96, 72.835, 50.921

■ 0, 72.835, 50.921

■ 46, 72.835, 50.921

■ 46, 72.835, 50.921

■ 46, 73.090, 50.880

■ 48, 66.556, 52.517

■ 51, 58.844, 53.593

■ 54, 50.398, 54.307

■ 56, 41.927, 54.932

■ 60, 33.762, 55.580

■ 63, 26.038, 56.290

■ 66, 18.794, 57.062

■ 70, 12.022, 57.883

■ 73, 5.693, 58.716

Harmonies

Complementary

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



46, 72.835, 50.921



49, 43.967, 267.185

Rectangle

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



46, 72.835, 50.921



46, 72.835, 100.921



46, 72.835, 230.921



46, 72.835, 280.921

Sweetspot

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



46, 72.832, 50.923



84, 23.695, 56.991



42, 71.691, 348.694



43, 16.543, 56.657



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



46, 72.832, 50.923



59, 89.713, 50.271



67, 70.085, 92.103



38, 3.342, 58.736



38, 63.555, 51.402



5, 10.144, 45.873

Inverse Universe

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



49, 43.967, 267.185



62, 54.450, 268.285



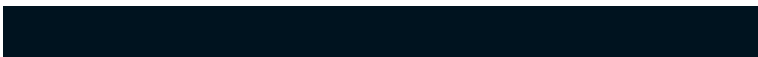
26, 98.217, 303.850



38, 3.206, 240.670



41, 38.165, 266.600



5, 10.143, 254.481

Previews

White Background



This preview shows how the CIELCh color 46, 72.835, 50.921 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 × Fail

Black Background



This preview shows how the CIELCh color 46, 72.835, 50.921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 46, 72.835, 50.921

Background



This preview shows how black text looks on a background with the CIELCh color 46, 72.835, 50.921.



This preview shows how white text looks on a background with the CIELCh color 46, 72.835, 50.921.

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

46, 72.835, 50.921

Protanopia

46, 48.100, 95.246

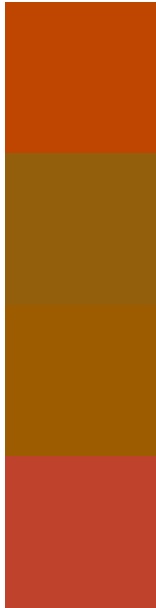
Deuteranopia

46, 53.449, 83.771



Tritanopia
46, 56.804, 26.921

Trichromacy



Original Color
46, 72.835, 50.921

Protanomaly
45, 52.265, 72.777

Deuteranomaly
45, 57.720, 68.572

Tritanomaly
46, 62.921, 39.523

Monochromacy



Original Color
46, 72.835, 50.921

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 26.167, 55.766

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 72.835, 50.921 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(190, 70, 1)` looks like.

```
.text, #text, p{  
    color:rgb(190, 70, 1)  
}
```

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(190, 70, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 70, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 72.835, 50.921 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(190, 70, 1) }
```

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

```
.border{ border-color:rgb(190, 70, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 70, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 70, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 70, 1);  
box-shadow:4px 4px 4px 4px rgb(190, 70, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 46, 72.835, 50.921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 70, 1) }
```

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

```
.background{ background-color: rgb(190, 70,  
1) }
```

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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