

Converting Colors

CIELCh(46, 79.722, 31.083)

Have a look what the booklet for
CIELCh(46, 79.722, 31.083) contains.

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Color

CIELCh(46, 79.744, 30.936)

Conversions

Conversions Part 1

Format	Color
Hex	D7192D
RGB	215, 25, 45
RGB Percent	84%, 10%, 18%
CMY	0.1579, 0.9037, 0.8243
CMYK	0.00, 0.89, 0.79, 0.16
HSL	354°, 79%, 47%
HSV	354°, 89%, 84%
XYZ	28.7511, 15.2687, 3.8955
YIQ	84.0900, 106.8200, 46.5000

Conversions

Conversions Part 2

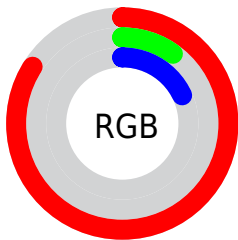
Format	Color
RYB	215, 25, 45
Decimal	14096685
CIELab	46.00, 68.40, 40.99
CIELCh	46, 79.744, 30.936
Yxy	15.2687, 0.6000, 0.3187
Android (android.graphics.Color)	4292286765 (0xFFD7192D)
YUV	84.0900, -19.2714, 114.8081
Hunter-Lab	39.0751, 62.9569, 21.4419

Details

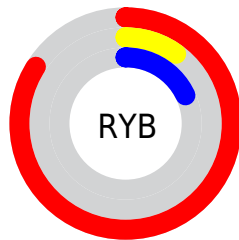
The CIELCh color **46, 79.744, 30.936** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **78, 47.250, 182.700**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 69.725, 30.413**, and **31, 70.187, 39.464** is the 20% darker color. If you saturate the color by 10%, you get **45, 86.361, 35.429**, and if you desaturate by 10%, it is **48, 71.860, 26.457**.

Distribution



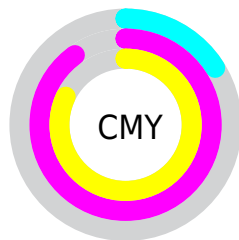
- Red (84%)
- Green (10%)
- Blue (18%)



- Red (84%)
- Yellow (10%)
- Blue (18%)



- Cyan (0%)
- Magenta (89%)
- Yellow (79%)
- Black (16%)



- Cyan (16%)
- Magenta (90%)
- Yellow (82%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 79.744, 30.936 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, 79.744, 30.936 by changing the saturation by 10% instead.

 46, 79.744, 30.936

 46, 79.744, 30.936

 100, 79.744,
30.936

 36, 79.744, 30.936

 66, 79.744, 30.936

 26, 79.744, 30.936

 76, 79.744, 30.936

 16, 79.744, 30.936

 86, 79.744, 30.936

 6, 79.744, 30.936

 96, 79.744, 30.936

 0, 79.744, 30.936

 46, 79.744, 30.936

 46, 79.744, 30.936

 45, 86.361, 35.429

 48, 71.860, 26.457

 45, 87.223, 35.964

 51, 63.050, 22.594

■ 55, 53.592, 19.469

■ 59, 43.817, 17.005

■ 64, 34.051, 15.071

■ 69, 24.551, 13.537

■ 75, 15.479, 12.300

■ 81, 6.915, 11.258

■ 87, 1.118, 191.018

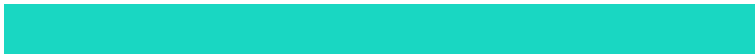
Harmonies

Complementary

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



46, 79.744, 30.936



78, 47.250, 182.700

Rectangle

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



46, 79.744, 30.936



46, 79.744, 80.936



46, 79.744, 210.936



46, 79.744, 260.936

Sweetspot

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



46, 79.741, 30.938



82, 26.578, 13.362



48, 99.323, 323.978



41, 18.088, 13.838



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



46, 79.741, 30.938



53, 99.820, 36.398



55, 72.161, 53.849



42, 4.586, 11.344



35, 72.939, 35.230



5, 21.969, 15.017

Inverse Universe

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



46, 79.741, 30.938



53, 99.820, 36.398



56, 45.884, 264.808



42, 4.586, 11.344



35, 72.939, 35.230



5, 21.969, 15.017

Previews

White Background



This preview shows how the CIELCh color 46, 79.744, 30.936 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, 79.744, 30.936 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, 79.744, 30.936

Background



This preview shows how black text looks on a background with the CIELCh color 46, 79.744, 30.936.



This preview shows how white text looks on a background with the CIELCh color 46, 79.744, 30.936.

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, 79.744, 30.936

Protanopia

46, 24.952, 96.004

Deuteranopia

46, 44.979, 82.887



Tritanopia
46, 84.175, 37.304

Trichromacy



Original Color
46, 79.744, 30.936

Protanomaly
42, 38.830, 40.644

Deuteranomaly
43, 53.326, 49.666

Tritanomaly
46, 82.595, 35.239

Monochromacy



Original Color
46, 79.744, 30.936

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 32.274, 16.982

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 79.744, 30.936 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(215, 25, 45)` looks like.

```
.text, #text, p{  
    color:rgb(215, 25, 45)  
}
```

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(215, 25, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 25, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 79.744, 30.936 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(215, 25, 45) }
```

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

```
.border{ border-color:rgb(215, 25, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 25, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 25, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 25, 45);  
box-shadow:4px 4px 4px 4px rgb(215, 25,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 79.744, 30.936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 25, 45) }
```

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

```
.background{ background-color: rgb(215, 25,  
45) }
```

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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