

Converting Colors

CIELCh(45, 78.851, 31.360)

Have a look what the booklet for
CIELCh(45, 78.851, 31.360) contains.

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Color

CIELCh(45, 78.810, 31.528)

Conversions

Conversions Part 1

Format	Color
Hex	D2182A
RGB	210, 24, 42
RGB Percent	82%, 9%, 16%
CMY	0.1761, 0.9052, 0.8351
CMYK	0.00, 0.88, 0.80, 0.18
HSL	354°, 79%, 46%
HSV	354°, 88%, 82%
XYZ	27.3523, 14.5417, 3.5614
YIQ	81.6660, 105.0780, 45.0300

Conversions

Conversions Part 2

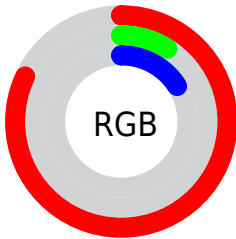
Format	Color
RYB	210, 24, 42
Decimal	13768746
CIELab	45.00, 67.18, 41.21
CIELCh	45, 78.810, 31.528
Yxy	14.5417, 0.6017, 0.3199
Android (android.graphics.Color)	4291958826 (0xFFD2182A)
YUV	81.6660, -19.5553, 112.5489
Hunter-Lab	38.1336, 61.3001, 21.1562

Details

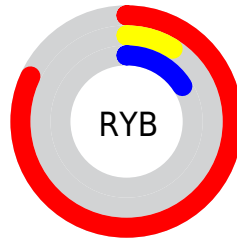
The CIELCh color **45, 78.810, 31.528** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **76, 45.978, 183.943**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 70.928, 31.004**, and **30, 68.310, 39.289** is the 20% darker color. If you saturate the color by 10%, you get **44, 85.382, 35.884**, and if you desaturate by 10%, it is **47, 70.919, 27.120**.

Distribution



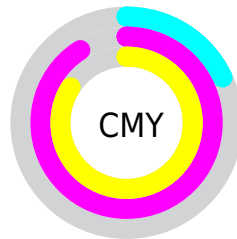
- Red (82%)
- Green (9%)
- Blue (16%)



- Red (82%)
- Yellow (9%)
- Blue (16%)



- Cyan (0%)
- Magenta (88%)
- Yellow (80%)
- Black (18%)



- Cyan (18%)
- Magenta (91%)
- Yellow (84%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 78.810, 31.528 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 45, 78.810, 31.528 by changing the saturation by 10% instead.

 45, 78.810, 31.528

 45, 78.810, 31.528

 100, 78.810,
31.528

 35, 78.810, 31.528

 65, 78.810, 31.528

 25, 78.810, 31.528

 75, 78.810, 31.528

 15, 78.810, 31.528

 85, 78.810, 31.528

 5, 78.810, 31.528

 95, 78.810, 31.528

 0, 78.810, 31.528

 45, 78.810, 31.528

 45, 78.810, 31.528

 44, 85.382, 35.884

 47, 70.919, 27.120

 44, 86.267, 36.415

 50, 62.123, 23.297

■ 53, 52.720, 20.197

■ 58, 43.040, 17.752

■ 63, 33.400, 15.835

■ 68, 24.044, 14.319

■ 74, 15.127, 13.099

■ 79, 6.723, 12.074

■ 85, 1.150, 191.832

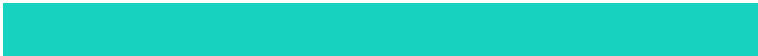
Harmonies

Complementary

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



45, 78.810, 31.528



76, 45.978, 183.943

Rectangle

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



45, 78.810, 31.528



45, 78.810, 81.528



45, 78.810, 211.528



45, 78.810, 261.528

Sweetspot

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



45, 78.807, 31.530



82, 26.567, 14.160



48, 97.542, 324.564



41, 18.086, 14.632



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



45, 78.807, 31.530



53, 100.409, 36.885



55, 70.333, 55.111



41, 4.488, 12.164



35, 72.541, 35.720



4, 20.053, 14.986

Inverse Universe

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



45, 78.807, 31.530



53, 100.409, 36.885



54, 46.380, 267.123



41, 4.488, 12.164



35, 72.541, 35.720



4, 20.053, 14.986

Previews

White Background



This preview shows how the CIELCh color 45, 78.810, 31.528 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 45, 78.810, 31.528 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 45, 78.810, 31.528

Background



This preview shows how black text looks on a background with the CIELCh color 45, 78.810, 31.528.



This preview shows how white text looks on a background with the CIELCh color 45, 78.810, 31.528.

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
45, 78.810, 31.528

Protanopia
46, 26.133, 96.184

Deuteranopia
45, 44.977, 82.631



Tritanopia
45, 83.100, 37.355

Trichromacy



Original Color
45, 78.810, 31.528

Protanomaly
42, 38.994, 43.093

Deuteranomaly
42, 53.038, 50.374

Tritanomaly
45, 81.401, 35.371

Monochromacy



Original Color
45, 78.810, 31.528

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 31.606, 18.844

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 78.810, 31.528 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(210, 24, 42)` looks like.

```
.text, #text, p{  
    color:rgb(210, 24, 42)  
}
```

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(210, 24, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 24, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 78.810, 31.528 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(210, 24, 42) }
```

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

```
.border{ border-color:rgb(210, 24, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 24, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 24, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 24, 42);  
box-shadow:4px 4px 4px 4px rgb(210, 24,  
42) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 78.810, 31.528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 24, 42) }
```

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

```
.background{ background-color: rgb(210, 24,  
42) }
```

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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