

Converting Colors

CIELCh(46, 75.472, 14.316)

Have a look what the booklet for
CIELCh(46, 75.472, 14.316) contains.

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Color

CIELCh(46, 75.564, 14.443)

Conversions

Conversions Part 1

Format	Color
Hex	D90052
RGB	217, 0, 82
RGB Percent	85%, 0%, 32%
CMY	0.1506, 1.0000, 0.6796
CMYK	0.00, 1.00, 0.62, 0.15
HSL	337°, 100%, 42%
HSV	337°, 100%, 85%
XYZ	29.9960, 15.2687, 9.2908
YIQ	74.2310, 103.0100, 71.5060

Conversions

Conversions Part 2

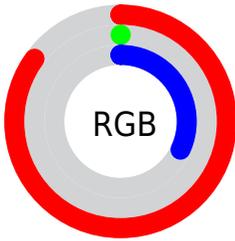
Format	Color
R_{YB}	217, 0, 82
Decimal	14221394
CIE Lab	46.00, 73.18, 18.85
CIE LCh	46, 75.564, 14.443
Yxy	15.2687, 0.5498, 0.2799
Android (android.graphics.Color)	4292411474 (0xFFD90052)
YUV	74.2310, 3.8301, 125.2084
Hunter-Lab	39.0751, 68.6438, 13.2554

Details

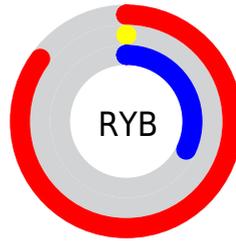
The CIELCh color **46, 75.564, 14.443** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **77, 68.984, 155.986**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 66.525, 10.556**, and **32, 61.550, 24.864** is the 20% darker color. If you saturate the color by 10%, you get **46, 75.472, 14.499**, and if you desaturate by 10%, it is **47, 72.712, 9.455**.

Distribution



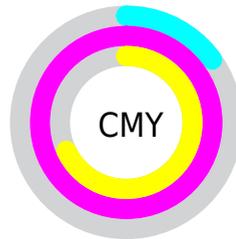
- Red (85%)
- Green (0%)
- Blue (32%)



- Red (85%)
- Yellow (0%)
- Blue (32%)



- Cyan (0%)
- Magenta (100%)
- Yellow (62%)
- Black (15%)



- Cyan (15%)
- Magenta (100%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 75.564, 14.443 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, 75.564, 14.443 by changing the saturation by 10% instead.

 46, 75.564, 14.443

 46, 75.564, 14.443

 100, 75.564,
14.443

 36, 75.564, 14.443

 66, 75.564, 14.443

 26, 75.564, 14.443

 76, 75.564, 14.443

 16, 75.564, 14.443

 86, 75.564, 14.443

 6, 75.564, 14.443

 96, 75.564, 14.443

 0, 75.564, 14.443

 46, 75.564, 14.443

 46, 75.564, 14.443

 46, 75.472, 14.499

 47, 72.712, 9.455

 49, 68.660, 5.226

■ 52, 62.848, 1.877

■ 55, 55.451,
359.239

■ 60, 46.890,
357.137

■ 64, 37.630,
355.427

■ 70, 28.069,
354.002

■ 75, 18.500,
352.785

■ 81, 9.109, 351.710

Harmonies

Complementary

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



46, 75.564, 14.443



77, 68.984, 155.986

Rectangle

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



46, 75.564, 14.443



46, 75.564, 64.443



46, 75.564, 194.443



46, 75.564, 244.443

Sweetspot

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



46, 75.472, 14.499



81, 32.051, 354.039



38, 107.705, 314.759



40, 21.935, 354.618



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, 75.472, 14.499



54, 85.507, 15.056



46, 90.565, 41.302



42, 5.118, 351.650



36, 63.073, 13.529



5, 22.602, 2.015

Inverse Universe

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



46, 75.472, 14.499



54, 85.507, 15.056



71, 38.996, 217.850



42, 5.118, 351.650



36, 63.073, 13.529



5, 22.602, 2.015

Previews

White Background



This preview shows how the CIELCh color 46, 75.564, 14.443 looks on a white background.

Color Contrast Check

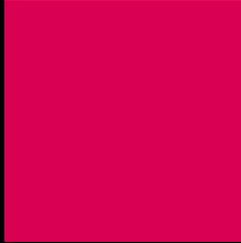
Large Text (above 18pt) WCAG AA ✓ Pass

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, 75.564, 14.443 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

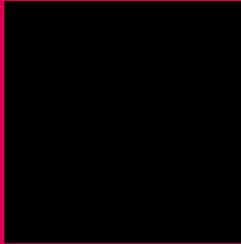
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 75.564, 14.443

Background



This preview shows how black text looks on a background with the CIELCh color 46, 75.564, 14.443.



This preview shows how white text looks on a background with the CIELCh color 46, 75.564, 14.443.

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

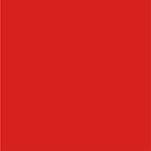
46, 75.564, 14.443

Protanopia

47, 5.950, 294.786

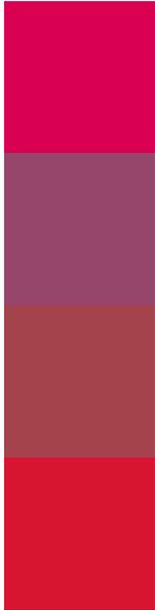
Deuteranopia

47, 24.159, 74.617



Tritanopia
46, 82.744, 36.498

Trichromacy



Original Color
46, 75.564, 14.443

Protanomaly
41, 37.779, 352.105

Deuteranomaly
42, 43.597, 20.351

Tritanomaly
46, 79.515, 29.219

Monochromacy



Original Color
46, 75.564, 14.443

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 37.265, 359.071

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 75.564, 14.443 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(217, 0, 82)` looks like.

```
.text, #text, p{  
    color:rgb(217, 0, 82)  
}
```

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(217, 0, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 75.564, 14.443 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(217, 0, 82) }
```

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

```
.border{ border-color:rgb(217, 0, 82) }
```

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

Here you see how a box with a 4 pixel rgb(217, 0, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 82);  
box-shadow:4px 4px 4px 4px rgb(217, 0, 82)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 46, 75.564, 14.443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 0, 82) }
```

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

```
.background{ background-color: rgb(217, 0,  
82) }
```

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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