

Converting Colors

CIELCh(46, 64.589, 28.695)

Have a look what the booklet for
CIELCh(46, 64.589, 28.695) contains.

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Color

CIELCh(46, 64.447, 28.432)

Conversions

Conversions Part 1

Format	Color
Hex	C7373D
RGB	199, 55, 61
RGB Percent	78%, 22%, 24%
CMY	0.2187, 0.7834, 0.7601
CMYK	0.00, 0.72, 0.69, 0.22
HSL	358°, 57%, 50%
HSV	358°, 72%, 78%
XYZ	25.8417, 15.2687, 6.0248
YIQ	98.7400, 83.8980, 32.3940

Conversions

Conversions Part 2

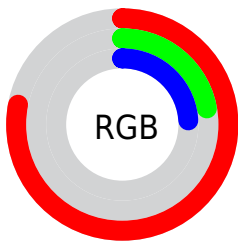
Format	Color
R _Y B	199, 55, 61
Decimal	13055805
CIE Lab	46.00, 56.67, 30.68
CIE LCh	46, 64.447, 28.432
Yxy	15.2687, 0.5482, 0.3239
Android (android.graphics.Color)	4291245885 (0xFFC7373D)
YUV	98.7400, -18.6058, 87.9280
Hunter-Lab	39.0751, 49.6666, 18.2109

Details

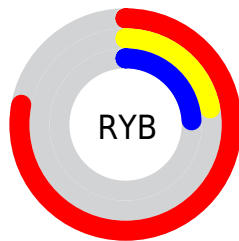
The CIELCh color **46, 64.447, 28.432** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **73, 38.933, 191.746**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 61.504, 28.089**, and **28, 60.154, 32.335** is the 20% darker color. If you saturate the color by 10%, you get **44, 73.236, 32.240**, and if you desaturate by 10%, it is **49, 55.020, 25.208**.

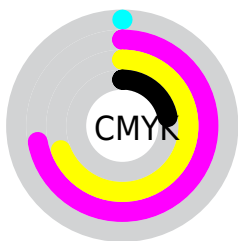
Distribution



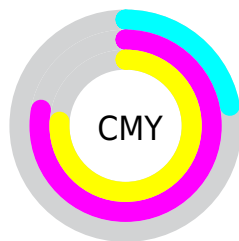
- Red (78%)
- Green (22%)
- Blue (24%)



- Red (78%)
- Yellow (22%)
- Blue (24%)



- Cyan (0%)
- Magenta (72%)
- Yellow (69%)
- Black (22%)



- Cyan (22%)
- Magenta (78%)
- Yellow (76%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 64.447, 28.432 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, 64.447, 28.432 by changing the saturation by 10% instead.

 46, 64.447, 28.432

 46, 64.447, 28.432

 100, 64.447,
28.432

 36, 64.447, 28.432

 66, 64.447, 28.432

 26, 64.447, 28.432

 76, 64.447, 28.432

 16, 64.447, 28.432

 86, 64.447, 28.432

 6, 64.447, 28.432

 96, 64.447, 28.432

 0, 64.447, 28.432

 46, 64.447, 28.432

 46, 64.447, 28.432

 44, 73.236, 32.240

 49, 55.020, 25.208

 42, 80.773, 36.172

 53, 45.347, 22.629

42, 85.102, 38.499

58, 35.744, 20.618

63, 26.457, 19.054

68, 17.642, 17.829

73, 9.375, 16.844

79, 1.675, 15.812

85, 5.481, 195.618

90, 12.132,
195.054

Harmonies

Complementary

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



46, 64.447, 28.432



73, 38.933, 191.746

Rectangle

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



46, 64.447, 28.432



46, 64.447, 78.432



46, 64.447, 208.432



46, 64.447, 258.432

Sweetspot

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



46, 64.444, 28.434



85, 21.294, 17.834



50, 84.503, 326.193



43, 14.447, 18.144



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, 64.444, 28.434



55, 93.892, 34.638



58, 53.809, 61.592



39, 4.280, 16.587



34, 73.001, 38.092



3, 15.904, 17.268

Inverse Universe

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



46, 64.444, 28.434



55, 93.892, 34.638



54, 40.646, 266.465



39, 4.280, 16.587



34, 73.001, 38.092



3, 15.904, 17.268

Previews

White Background



This preview shows how the CIELCh color 46, 64.447, 28.432 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, 64.447, 28.432 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, 64.447, 28.432

Background



This preview shows how black text looks on a background with the CIELCh color 46, 64.447, 28.432.



This preview shows how white text looks on a background with the CIELCh color 46, 64.447, 28.432.

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, 64.447, 28.432

Protanopia

46, 17.427, 95.871

Deuteranopia

46, 33.626, 79.387



Tritanopia
46, 64.922, 30.098

Trichromacy



Original Color
46, 64.447, 28.432

Protanomaly
44, 29.294, 41.223

Deuteranomaly
45, 40.571, 48.339

Tritanomaly
46, 64.679, 29.639

Monochromacy



Original Color
46, 64.447, 28.432

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 23.373, 20.005

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 64.447, 28.432 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(199, 55, 61)` looks like.

```
.text, #text, p{  
    color:rgb(199, 55, 61)  
}
```

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(199, 55, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 55, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 64.447, 28.432 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(199, 55, 61) }
```

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

```
.border{ border-color:rgb(199, 55, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 55, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 55, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 55, 61);  
box-shadow:4px 4px 4px 4px rgb(199, 55,  
61) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 64.447, 28.432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 55, 61) }
```

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

```
.background{ background-color: rgb(199, 55,  
61) }
```

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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