

Converting Colors

CIELCh(49, 69.629, 40.622)

Have a look what the booklet for
CIELCh(49, 69.629, 40.622) contains.

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Color

CIELCh(49, 69.606, 40.731)

Conversions

Conversions Part 1

Format	Color
Hex	CE4529
RGB	206, 69, 41
RGB Percent	81%, 27%, 16%
CMY	0.1913, 0.7286, 0.8386
CMYK	0.00, 0.66, 0.80, 0.19
HSL	10°, 67%, 49%
HSV	10°, 80%, 81%
XYZ	28.0571, 17.5941, 4.0298
YIQ	106.7710, 90.6400, 20.3360

Conversions

Conversions Part 2

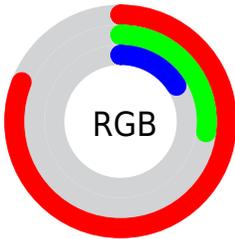
Format	Color
R_{YB}	206, 75, 41
Decimal	13518121
CIE Lab	49.00, 52.75, 45.42
CIE LCh	49, 69.606, 40.731
Yxy	17.5941, 0.5647, 0.3541
Android (android.graphics.Color)	4291708201 (0xFFCE4529)
YUV	106.7710, -32.4251, 87.0238
Hunter-Lab	41.9453, 45.9939, 23.6656

Details

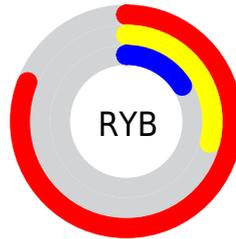
The CIELCh color **49, 69.606, 40.731** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **67, 35.297, 223.480**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 63.441, 41.777**, and **29, 67.550, 39.211** is the 20% darker color. If you saturate the color by 10%, you get **47, 78.749, 41.884**, and if you desaturate by 10%, it is **52, 59.536, 39.387**.

Distribution



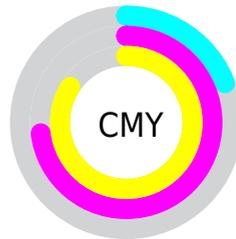
- Red (81%)
- Green (27%)
- Blue (16%)



- Red (81%)
- Yellow (29%)
- Blue (16%)



- Cyan (0%)
- Magenta (66%)
- Yellow (80%)
- Black (19%)



- Cyan (19%)
- Magenta (73%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 69.606, 40.731 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 49, 69.606, 40.731 by changing the saturation by 10% instead.

 49, 69.606, 40.731  49, 69.606, 40.731

 100, 69.606,
40.731  39, 69.606, 40.731

 69, 69.606, 40.731  29, 69.606, 40.731

 79, 69.606, 40.731  19, 69.606, 40.731

 89, 69.606, 40.731  9, 69.606, 40.731

 99, 69.606, 40.731  0, 69.606, 40.731

 49, 69.606, 40.731  49, 69.606, 40.731

 47, 78.749, 41.884  52, 59.536, 39.387

 45, 85.765, 42.488  56, 49.436, 38.208

60, 39.704, 37.301

64, 30.523, 36.662

68, 21.969, 36.253

73, 14.054, 36.026

78, 6.754, 35.917

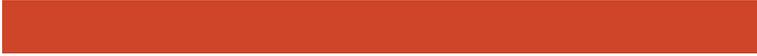
83, 0.026, 13.853

88, 6.190, 216.267

Harmonies

Complementary

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



49, 69.606, 40.731



67, 35.297, 223.480

Rectangle

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



49, 69.606, 40.731



49, 69.606, 90.731



49, 69.606, 220.731



49, 69.606, 270.731

Sweetspot

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



49, 69.603, 40.734



86, 20.357, 36.104



49, 82.018, 334.644



44, 14.198, 36.191



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



49, 69.603, 40.734



56, 98.314, 42.158



66, 62.435, 79.795



40, 3.773, 35.911



36, 72.532, 42.798



5, 16.266, 28.698

Inverse Universe

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



67, 35.297, 223.480



79, 43.347, 228.367



43, 65.869, 289.732



42, 3.555, 216.269



53, 31.543, 228.682



10, 11.806, 221.177

Previews

White Background



This preview shows how the CIELCh color 49, 69.606, 40.731 looks on a white background.

Color Contrast Check

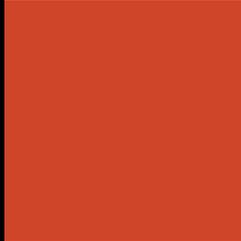
Large Text (above 18pt) WCAG AA ✓ Pass

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 49, 69.606, 40.731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

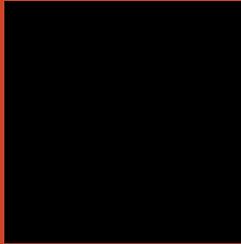
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

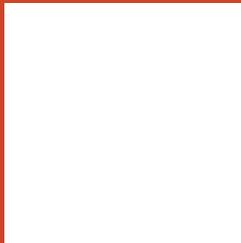
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 69.606, 40.731

Background



This preview shows how black text looks on a background with the CIELCh color 49, 69.606, 40.731.



This preview shows how white text looks on a background with the CIELCh color 49, 69.606, 40.731.

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

49, 69.606, 40.731

Protanopia

49, 35.680, 95.502

Deuteranopia

49, 48.276, 82.524



Tritanopia
49, 63.106, 28.429

Trichromacy



Original Color
49, 69.606, 40.731

Protanomaly
48, 41.747, 63.424

Deuteranomaly
48, 52.639, 61.760

Tritanomaly
49, 65.305, 33.282

Monochromacy



Original Color
49, 69.606, 40.731

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 23.859, 36.415

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 69.606, 40.731 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(206, 69, 41)` looks like.

```
.text, #text, p{  
    color:rgb(206, 69, 41)  
}
```

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(206, 69, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 69, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 69.606, 40.731 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(206, 69, 41) }
```

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

```
.border{ border-color:rgb(206, 69, 41) }
```

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

Here you see how a box with a 4 pixel rgb(206, 69, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 69, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 69, 41);  
box-shadow:4px 4px 4px 4px rgb(206, 69,  
41) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 69.606, 40.731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 69, 41) }
```

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

```
.background{ background-color: rgb(206, 69,  
41) }
```

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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