

Converting Colors

CIELCh(46, 36.724, 24.770)

Have a look what the booklet for
CIELCh(46, 36.724, 24.770) contains.

CIELCh(46, 36.571, 24.727)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(46, 36.571, 24.727)

Conversions

Conversions Part 1

Format	Color
Hex	A65555
RGB	166, 85, 85
RGB Percent	65%, 33%, 33%
CMY	0.3489, 0.6665, 0.6666
CMYK	0.00, 0.49, 0.49, 0.35
HSL	0°, 32%, 49%
HSV	0°, 49%, 65%
XYZ	20.6246, 15.2687, 10.4603
YIQ	109.2190, 48.2760, 17.1720

Conversions

Conversions Part 2

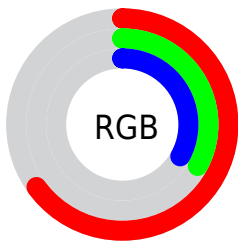
Format	Color
RYB	166, 85, 85
Decimal	10900821
CIELab	46.00, 33.22, 15.30
CIElCh	46, 36.571, 24.727
Yxy	15.2687, 0.4449, 0.3294
Android (android.graphics.Color)	4289090901 (0xFFA65555)
YUV	109.2190, -11.9400, 49.7969
Hunter-Lab	39.0751, 25.8341, 11.4809

Details

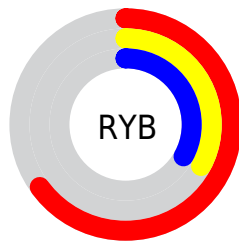
The CIELCh color **46, 36.571, 24.727** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **63, 25.809, 197.242**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 36.682, 24.050**, and **26, 36.456, 24.767** is the 20% darker color. If you saturate the color by 10%, you get **42, 45.196, 26.936**, and if you desaturate by 10%, it is **50, 28.176, 23.024**.

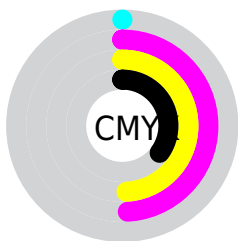
Distribution



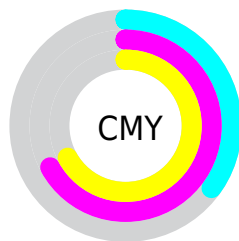
- Red (65%)
- Green (33%)
- Blue (33%)



- Red (65%)
- Yellow (33%)
- Blue (33%)



- Cyan (0%)
- Magenta (49%)
- Yellow (49%)
- Black (35%)










- Cyan (35%)
- Magenta (67%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 36.571, 24.727 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, 36.571, 24.727 by changing the saturation by 10% instead.

 46, 36.571, 24.727	 46, 36.571, 24.727
 100, 36.571, 24.727	 36, 36.571, 24.727
 66, 36.571, 24.727	 26, 36.571, 24.727
 76, 36.571, 24.727	 16, 36.571, 24.727
 86, 36.571, 24.727	 6, 36.571, 24.727
 96, 36.571, 24.727	 0, 36.571, 24.727

 46, 36.571, 24.727	 46, 36.571, 24.727
 42, 45.196, 26.936	 50, 28.176, 23.024
 39, 53.807, 29.723	 54, 20.184, 21.712

■ 37, 62.058, 33.051

■ 59, 12.684, 20.695

■ 35, 69.360, 36.551

■ 64, 5.708, 19.873

■ 34, 74.984, 39.496

■ 69, 0.756, 199.988

■ 34, 75.653, 39.829

■ 74, 6.740, 198.946

■ 79, 12.288,
198.534

■ 84, 17.447,
198.217

■ 89, 22.265,
197.962

Harmonies

Complementary

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



46, 36.571, 24.727



63, 25.809, 197.242

Rectangle

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



46, 36.571, 24.727



46, 36.571, 74.727



46, 36.571, 204.727



46, 36.571, 254.727

Sweetspot

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



46, 36.569, 24.730



78, 12.411, 20.391



49, 53.774, 326.949



40, 8.602, 20.564



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



46, 36.569, 24.730



55, 56.503, 27.267



56, 29.984, 69.415



33, 3.724, 19.913



30, 69.026, 39.361



1, 6.572, 19.411

Inverse Universe

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



63, 25.809, 197.242



80, 36.334, 196.918



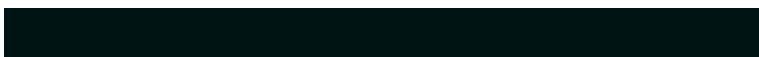
51, 26.089, 264.352



35, 3.515, 198.998



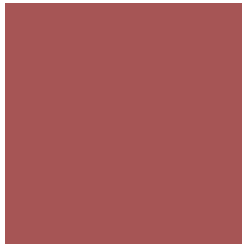
55, 33.384, 196.398



5, 6.571, 199.431

Previews

White Background



This preview shows how the CIELCh color 46, 36.571, 24.727 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 CIE LCh color 46, 36.571, 24.727 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, 36.571, 24.727

Background



This preview shows how black text looks on a background with the CIELCh color 46, 36.571, 24.727.



This preview shows how white text looks on a background with the CIELCh color 46, 36.571, 24.727.

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, 36.571, 24.727

Protanopia

46, 7.404, 92.384

Deuteranopia

46, 17.604, 69.956



Tritanopia
46, 36.355, 19.499

Trichromacy



Original Color
46, 36.571, 24.727

Protanomaly
45, 15.265, 36.723

Deuteranomaly
46, 22.314, 44.696

Tritanomaly
46, 36.558, 21.306

Monochromacy



Original Color
46, 36.571, 24.727

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 12.943, 21.047

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 36.571, 24.727 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(166, 85, 85)` looks like.

```
.text, #text, p{  
    color:rgb(166, 85, 85)  
}
```

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(166, 85, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 85, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 36.571, 24.727 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(166, 85, 85) }
```

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

```
.border{ border-color:rgb(166, 85, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 85, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 85, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 85, 85);  
box-shadow:4px 4px 4px 4px rgb(166, 85,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 36.571, 24.727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 85, 85) }
```

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

```
.background{ background-color: rgb(166, 85,  
85) }
```

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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