

Converting Colors

CIELCh(45, 37.498, 24.961)

Have a look what the booklet for
CIELCh(45, 37.498, 24.961) contains.

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Color

CIELCh(45, 37.227, 24.954)

Conversions

Conversions Part 1

Format	Color
Hex	A45252
RGB	164, 82, 82
RGB Percent	64%, 32%, 32%
CMY	0.3568, 0.6783, 0.6784
CMYK	0.00, 0.50, 0.50, 0.36
HSL	0°, 33%, 48%
HSV	0°, 50%, 64%
XYZ	19.8566, 14.5417, 9.7466
YIQ	106.5180, 48.8720, 17.3840

Conversions

Conversions Part 2

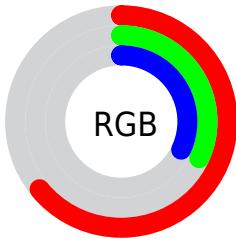
Format	Color
RYB	164, 82, 82
Decimal	10768978
CIELab	45.00, 33.75, 15.71
CIELCh	45, 37.227, 24.954
Yxy	14.5417, 0.4498, 0.3294
Android (android.graphics.Color)	4288959058 (0xFFA45252)
YUV	106.5180, -12.0874, 50.4117
Hunter-Lab	38.1336, 26.2133, 11.5395

Details

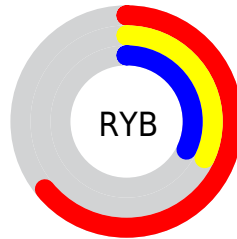
The CIELCh color **45, 37.227, 24.954** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **63, 26.025, 197.203**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 37.382, 24.979**, and **25, 37.153, 25.414** is the 20% darker color. If you saturate the color by 10%, you get **41, 45.779, 27.225**, and if you desaturate by 10%, it is **49, 28.878, 23.200**.

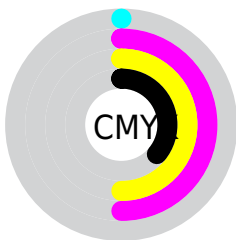
Distribution



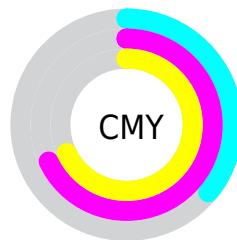
- Red (64%)
- Green (32%)
- Blue (32%)



- Red (64%)
- Yellow (32%)
- Blue (32%)



- Cyan (0%)
- Magenta (50%)
- Yellow (50%)
- Black (36%)



- Cyan (36%)
- Magenta (68%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 37.227, 24.954 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, 37.227, 24.954 by changing the saturation by 10% instead.

 45, 37.227, 24.954

 45, 37.227, 24.954

 100, 37.227,
24.954

 35, 37.227, 24.954

 65, 37.227, 24.954

 25, 37.227, 24.954

 75, 37.227, 24.954

 15, 37.227, 24.954

 85, 37.227, 24.954

 5, 37.227, 24.954

 95, 37.227, 24.954

 0, 37.227, 24.954

 45, 37.227, 24.954

 45, 37.227, 24.954

 41, 45.779, 27.225

 49, 28.878, 23.200

 38, 54.284, 30.077

 53, 20.912, 21.848

■ 36, 62.384, 33.450

■ 58, 13.426, 20.802

■ 35, 69.446, 36.917

■ 63, 6.457, 19.965

■ 34, 74.934, 39.791

■ 67, 0.009, 274.059

■ 34, 74.937, 39.793

■ 72, 5.982, 199.005

■ 77, 11.526,
198.577

■ 82, 16.679,
198.250

■ 87, 21.488,
197.989

Harmonies

Complementary

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



45, 37.227, 24.954



63, 26.025, 197.203

Rectangle

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



45, 37.227, 24.954



45, 37.227, 74.954



45, 37.227, 204.954



45, 37.227, 254.954

Sweetspot

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



45, 37.225, 24.957



77, 12.292, 20.388



48, 54.425, 327.000



39, 8.436, 20.558



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



45, 37.225, 24.957



54, 57.024, 27.519



55, 30.497, 69.269



32, 3.629, 19.908



30, 68.062, 39.265



1, 5.463, 19.409

Inverse Universe

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



63, 26.025, 197.203



79, 36.374, 196.892



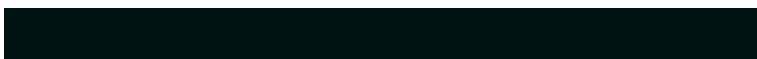
50, 26.443, 264.666



34, 3.427, 198.999



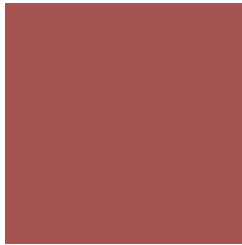
54, 32.964, 196.396



4, 5.463, 199.429

Previews

White Background



This preview shows how the CIELCh color 45, 37.227, 24.954 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 45, 37.227, 24.954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

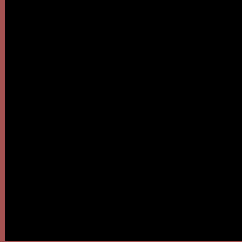
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 37.227, 24.954

Background



This preview shows how black text looks on a background with the CIELCh color 45, 37.227, 24.954.



This preview shows how white text looks on a background with the CIELCh color 45, 37.227, 24.954.

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, 37.227, 24.954

Protanopia

45, 8.000, 93.454

Deuteranopia

45, 18.654, 71.845



Tritanopia
45, 36.977, 19.813

Trichromacy



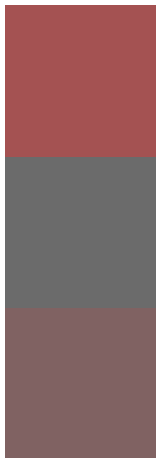
Original Color
45, 37.227, 24.954

Protanomaly
45, 15.565, 38.734

Deuteranomaly
45, 23.226, 45.484

Tritanomaly
45, 37.193, 21.593

Monochromacy



Original Color
45, 37.227, 24.954

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 12.995, 21.078

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 37.227, 24.954 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(164, 82, 82)` looks like.

```
.text, #text, p{  
    color:rgb(164, 82, 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(164, 82, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 82, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 37.227, 24.954 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(164, 82, 82) }
```

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

```
.border{ border-color:rgb(164, 82, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 82, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 82, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 82, 82);  
box-shadow:4px 4px 4px 4px rgb(164, 82,  
82) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 37.227, 24.954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 82, 82) }
```

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

```
.background{ background-color: rgb(164, 82,  
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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