

Converting Colors

CIELCh(24, 16.118, 52.687)

Have a look what the booklet for
CIELCh(24, 16.118, 52.687) contains.

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Color

CIELCh(24, 16.328, 52.542)

Conversions

Conversions Part 1

Format	Color
Hex	4D3326
RGB	77, 51, 38
RGB Percent	30%, 20%, 15%
CMY	0.6976, 0.7996, 0.8506
CMYK	0.00, 0.34, 0.51, 0.70
HSL	20°, 34%, 23%
HSV	20°, 51%, 30%
XYZ	4.6100, 4.1002, 2.3908
YIQ	57.2920, 19.6690, 1.4690

Conversions

Conversions Part 2

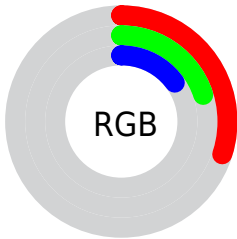
Format	Color
RYB	77, 58, 38
Decimal	5059366
CIELab	24.00, 9.93, 12.96
CIElCh	24, 16.328, 52.542
Yxy	4.1002, 0.4153, 0.3694
Android (android.graphics.Color)	4283249446 (0xFF4D3326)
YUV	57.2920, -9.5110, 17.2839
Hunter-Lab	20.2490, 5.2029, 7.1740




Details

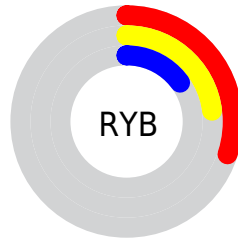
The CIELCh color **24, 16.328, 52.542** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **26, 12.433, 242.035**, and the grayscale version is **24, 0.004, 296.813**.




A 20% lighter version of the original color is **44, 16.159, 51.594**, and **4, 11.750, 31.285** is the 20% darker color. If you saturate the color by 10%, you get **22, 20.203, 52.123**, and if you desaturate by 10%, it is **26, 12.668, 53.046**.

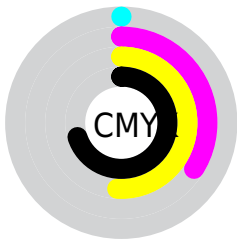
Distribution







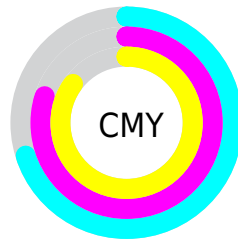
-  Red (30%)
-  Green (20%)
-  Blue (15%)






-  Red (30%)
-  Yellow (23%)
-  Blue (15%)



-  Cyan (0%)
-  Magenta (34%)
-  Yellow (51%)
-  Black (70%)



-  Cyan (70%)
-  Magenta (80%)
-  Yellow (85%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 24, 16.328, 52.542 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 24, 16.328, 52.542 by changing the saturation by 10% instead.

 24, 16.328, 52.542

 24, 16.328, 52.542

 100, 16.328,
52.542

 14, 16.328, 52.542

 44, 16.328, 52.542

 4, 16.328, 52.542

 54, 16.328, 52.542

 0, 16.328, 52.542

 64, 16.328, 52.542

 74, 16.328, 52.542

 84, 16.328, 52.542

 94, 16.328, 52.542

 24, 16.328, 52.542

 24, 16.328, 52.542

■ 22, 20.203, 52.123

■ 26, 12.668, 53.046

■ 21, 24.263, 51.763

■ 27, 9.231, 53.613

■ 19, 28.316, 51.243

■ 29, 6.011, 54.232

■ 18, 31.534, 49.535

■ 31, 2.993, 54.868

■ 17, 34.336, 48.150

■ 33, 0.160, 54.123

■ 35, 2.505, 236.489

■ 36, 5.019, 237.180

■ 38, 7.400, 237.907

■ 40, 9.662, 238.636

Harmonies

Complementary

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



24, 16.328, 52.542



26, 12.433, 242.035

Rectangle

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



24, 16.328, 52.542



24, 16.328, 102.542



24, 16.328, 232.542



24, 16.328, 282.542

Sweetspot

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



24, 16.328, 52.547



39, 5.315, 54.555



21, 23.859, 339.349



19, 3.670, 54.482



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



24, 16.328, 52.547



29, 25.310, 52.024



30, 20.643, 97.095



14, 1.556, 54.985



24, 44.936, 49.639



54, 86.178, 48.635

Inverse Universe

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



26, 12.433, 242.035



32, 17.763, 244.859



19, 22.258, 289.528



14, 1.499, 236.484



27, 25.621, 258.919



60, 48.253, 262.863

Previews

White Background



This preview shows how the CIE LCh color 24, 16.328, 52.542 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 ✓ Pass

Black Background



This preview shows how the CIELCh color 24, 16.328, 52.542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

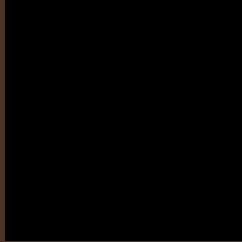
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 16.328, 52.542

Background



This preview shows how black text looks on a background with the CIELCh color 24, 16.328, 52.542.

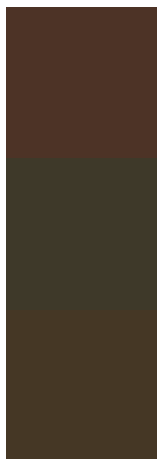


This preview shows how white text looks on a background with the CIELCh color 24, 16.328, 52.542.

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

24, 16.328, 52.542

Protanopia

24, 10.818, 94.464

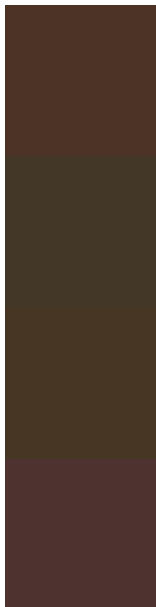
Deuteranopia

24, 14.012, 76.462



Tritanopia
24, 14.137, 11.855

Trichromacy



Original Color
24, 16.328, 52.542

Protanomaly
24, 11.718, 76.552

Deuteranomaly
24, 14.794, 68.549

Tritanomaly
24, 13.989, 27.495

Monochromacy



Original Color
24, 16.328, 52.542

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 5.475, 56.961

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 16.328, 52.542 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(77, 51, 38)` looks like.

```
.text, #text, p{  
    color:rgb(77, 51, 38)  
}
```

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(77, 51, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 51, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 16.328, 52.542 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(77, 51, 38) }
```

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

```
.border{ border-color:rgb(77, 51, 38) }
```

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

Here you see how a box with a 4 pixel rgb(77, 51, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 51, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 51, 38);  
box-shadow:4px 4px 4px 4px rgb(77, 51, 38)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 16.328, 52.542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 51, 38) }
```

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

```
.background{ background-color: rgb(77, 51,  
38) }
```

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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