

Converting Colors

CIELCh(24, 17.015, 358.100)

Have a look what the booklet for
CIELCh(24, 17.015, 358.100)
contains.

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Color

CIELCh(24, 17.254, 358.834)

Conversions

Conversions Part 1

Format	Color
Hex	512F3A
RGB	81, 47, 58
RGB Percent	32%, 18%, 23%
CMY	0.6820, 0.8153, 0.7722
CMYK	0.00, 0.42, 0.28, 0.68
HSL	341°, 27%, 25%
HSV	341°, 42%, 32%
XYZ	5.1878, 4.1002, 4.5330
YIQ	58.4200, 16.7330, 10.6290

Conversions

Conversions Part 2

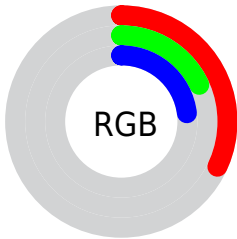
Format	Color
RYB	81, 47, 58
Decimal	5320506
CIELab	24.00, 17.25, -0.35
CIELCh	24, 17.254, 358.834
Yxy	4.1002, 0.3754, 0.2967
Android (android.graphics.Color)	4283510586 (0xFF512F3A)
YUV	58.4200, -0.2071, 19.8027
Hunter-Lab	20.2490, 10.2963, 0.9015




Details

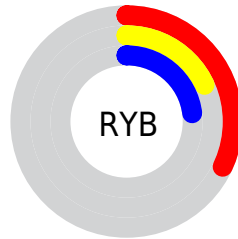
The CIELCh color $[24, 17.254, 358.834]$ is a dark color, and the websafe version is hex `#663333`. A complement of this color would be $[32, 15.547, 170.443]$, and the grayscale version is $[25, 0.004, 296.813]$.




A 20% lighter version of the original color is $[44, 16.878, 359.083]$, and $[4, 16.992, 358.932]$ is the 20% darker color. If you saturate the color by 10%, you get $[22, 21.424, 0.419]$, and if you desaturate by 10%, it is $[26, 13.022, 357.502]$.

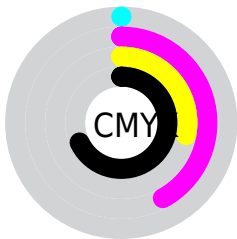
Distribution







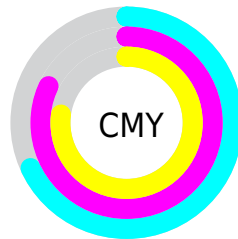
-  Red (32%)
-  Green (18%)
-  Blue (23%)






-  Red (32%)
-  Yellow (18%)
-  Blue (23%)



-  Cyan (0%)
-  Magenta (42%)
-  Yellow (28%)
-  Black (68%)





-  Cyan (68%)
-  Magenta (82%)
-  Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 17.254, 358.834 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, 17.254, 358.834 by changing the saturation by 10% instead.

 24, 17.254,
358.834


 24, 17.254,
358.834

 100, 17.254,
358.834


 14, 17.254,
358.834


 44, 17.254,
358.834


 4, 17.254, 358.834

 54, 17.254,
358.834

 0, 17.254, 358.834

 64, 17.254,
358.834

 74, 17.254,
358.834

 84, 17.254,
358.834

 94, 17.254,

358.834

■ 24, 17.254,
358.834

■ 24, 17.254,
358.834

■ 22, 21.424, 0.419

■ 26, 13.022,
357.502

■ 20, 25.406, 2.333

■ 29, 8.825, 356.355

■ 18, 29.042, 4.685

■ 31, 4.723, 355.339

■ 17, 32.172, 7.602

■ 34, 0.753, 354.191

■ 15, 34.785, 11.092

■ 37, 3.068, 173.816

■ 15, 37.078, 13.662

■ 39, 6.736, 173.068

■ 42, 10.254,
172.415

■ 45, 13.626,
171.823

■ 47, 16.865,
171.280

Harmonies

Complementary

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



24, 17.254, 358.834



32, 15.547, 170.443

Rectangle

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



24, 17.254, 358.834



24, 17.254, 48.834



24, 17.254, 178.834



24, 17.254, 228.834

Sweetspot

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



24, 17.253, 358.836



40, 6.364, 355.487



23, 24.322, 316.308



19, 4.500, 355.628



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



24, 17.253, 358.836



29, 25.446, 0.381



25, 14.788, 36.277



15, 2.211, 355.028



20, 44.488, 15.697



49, 81.141, 19.876

Inverse Universe

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



24, 17.253, 358.836



29, 25.446, 0.381



30, 11.189, 217.017



15, 2.211, 355.028



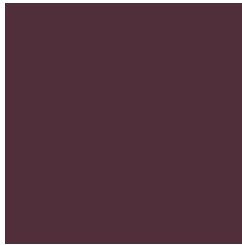
20, 44.488, 15.697



49, 81.141, 19.876

Previews

White Background



This preview shows how the CIE LCh color 24, 17.254, 358.834 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, 17.254, 358.834 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, 17.254, 358.834

Background



This preview shows how black text looks on a background with the CIELCh color 24, 17.254, 358.834.



This preview shows how white text looks on a background with the CIELCh color 24, 17.254, 358.834.

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, 17.254, 358.834

Protanopia

24, 4.640, 291.169

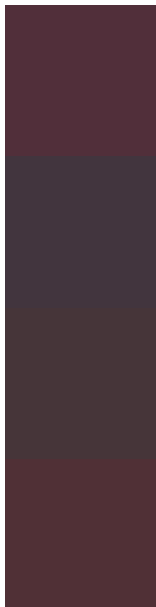
Deuteranopia

24, 3.310, 8.499



Tritanopia
24, 15.626, 13.273

Trichromacy



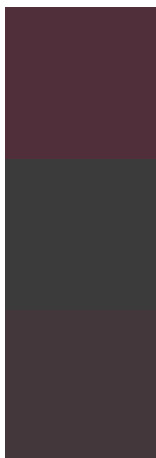
Original Color
24, 17.254, 358.834

Protanomaly
24, 8.385, 335.799

Deuteranomaly
24, 8.370, 2.826

Tritanomaly
24, 15.697, 8.513

Monochromacy



Original Color
24, 17.254, 358.834

Achromatopsia
25, 0.004, 296.813

Achromatomaly
24, 6.134, 355.208

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 17.254, 358.834 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(81, 47, 58)` looks like.

```
.text, #text, p{  
    color:rgb(81, 47, 58)  
}
```

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(81, 47, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 47, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 17.254, 358.834 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(81, 47, 58) }
```

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

```
.border{ border-color:rgb(81, 47, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 47, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 47, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 47, 58);  
box-shadow:4px 4px 4px 4px rgb(81, 47, 58)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 17.254, 358.834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 47, 58) }
```

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

```
.background{ background-color: rgb(81, 47,  
58) }
```

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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