

Converting Colors

CIELCh(24, 32.553, 353.783)

Have a look what the booklet for
CIELCh(24, 32.553, 353.783)
contains.

CIELCh(24, 32.306, 354.009)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(24, 32.306, 354.009)

Conversions

Conversions Part 1

Format	Color
Hex	62223F
RGB	98, 34, 63
RGB Percent	38%, 13%, 25%
CMY	0.6157, 0.8666, 0.7529
CMYK	0.00, 0.65, 0.36, 0.62
HSL	333°, 48%, 26%
HSV	333°, 65%, 38%
XYZ	6.5071, 4.1002, 5.1518
YIQ	56.4420, 28.8350, 22.5870

Conversions

Conversions Part 2

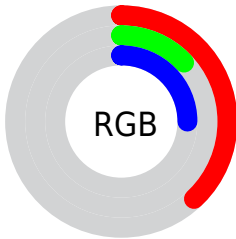
Format	Color
R_YB	98, 34, 63
Decimal	6431295
CIE Lab	24.00, 32.13, -3.37
CIE LCh	24, 32.306, 354.009
Yxy	4.1002, 0.4129, 0.2602
Android (android.graphics.Color)	4284621375 (0xFF62223F)
YUV	56.4420, 3.2331, 36.4464
Hunter-Lab	20.2490, 21.9257, -0.9104

Details

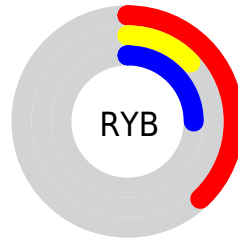
The CIELCh color **24, 32.306, 354.009** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **37, 29.925, 159.236**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 32.625, 353.265**, and **6, 26.126, 359.933** is the 20% darker color. If you saturate the color by 10%, you get **22, 36.027, 356.151**, and if you desaturate by 10%, it is **26, 27.908, 352.261**.

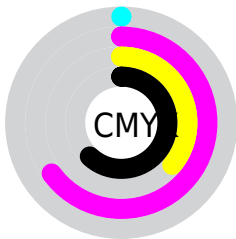
Distribution



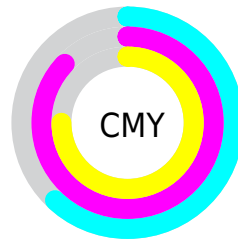
- Red (38%)
- Green (13%)
- Blue (25%)



- Red (38%)
- Yellow (13%)
- Blue (25%)



- Cyan (0%)
- Magenta (65%)
- Yellow (36%)
- Black (62%)





- Cyan (62%)
- Magenta (87%)
- Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 32.306, 354.009 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, 32.306, 354.009 by changing the saturation by 10% instead.

 24, 32.306,
354.009

 24, 32.306,
354.009

 100, 32.306,
354.009


 14, 32.306,
354.009


 44, 32.306,
354.009


 4, 32.306, 354.009

 54, 32.306,
354.009

 0, 32.306, 354.009

 64, 32.306,
354.009

 74, 32.306,
354.009

 84, 32.306,
354.009

 94, 32.306,

354.009

■ 24, 32.306,
354.009

■ 24, 32.306,
354.009

■ 22, 36.027,
356.151

■ 26, 27.908,
352.261

■ 21, 38.870,
358.813

■ 29, 23.067,
350.801

■ 20, 40.930, 1.979

■ 31, 17.985,
349.555

■ 19, 41.966, 3.407

■ 34, 12.817,
348.470

■ 37, 7.674, 347.502

■ 40, 2.626, 346.584

■ 43, 2.286, 166.015

■ 46, 7.041, 165.233

■ 49, 11.631,
164.569

Harmonies

Complementary

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



24, 32.306, 354.009



37, 29.925, 159.236

Rectangle

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



24, 32.306, 354.009



24, 32.306, 44.009



24, 32.306, 174.009



24, 32.306, 224.009

Sweetspot

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



24, 32.304, 354.010



46, 12.526, 348.003



21, 43.502, 313.098



22, 8.487, 348.188



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



24, 32.304, 354.010



29, 45.302, 357.415



24, 32.074, 29.531



18, 2.765, 346.918



23, 46.131, 4.203



51, 80.568, 7.381

Inverse Universe

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



24, 32.304, 354.010



29, 45.302, 357.415



37, 20.019, 200.767



18, 2.765, 346.918



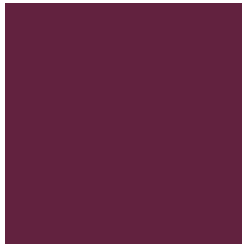
23, 46.131, 4.203



51, 80.568, 7.381

Previews

White Background



This preview shows how the CIE LCh color 24, 32.306, 354.009 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 CIE LCh color 24, 32.306, 354.009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

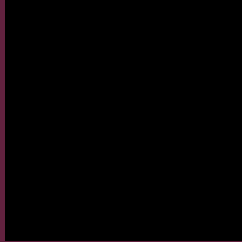
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 32.306, 354.009

Background



This preview shows how black text looks on a background with the CIELCh color 24, 32.306, 354.009.



This preview shows how white text looks on a background with the CIELCh color 24, 32.306, 354.009.

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, 32.306, 354.009

Protanopia

24, 13.974, 285.102

Deuteranopia

24, 4.156, 340.708



Tritanopia
24, 28.580, 23.822

Trichromacy



Original Color
24, 32.306, 354.009

Protanomaly
23, 18.056, 321.130

Deuteranomaly
24, 15.302, 348.906

Tritanomaly
24, 29.111, 12.075

Monochromacy



Original Color
24, 32.306, 354.009

Achromatopsia
24, 0.004, 296.813

Achromatomaly
23, 12.796, 347.568

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 32.306, 354.009 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(98, 34, 63)` looks like.

```
.text, #text, p{  
    color:rgb(98, 34, 63)  
}
```

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(98, 34, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 34, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 32.306, 354.009 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(98, 34, 63) }
```

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

```
.border{ border-color:rgb(98, 34, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 34, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 34, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 34, 63);  
box-shadow:4px 4px 4px 4px rgb(98, 34, 63)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 32.306, 354.009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 34, 63) }
```

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

```
.background{ background-color: rgb(98, 34,  
63) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor