

Converting Colors

CIELCh(24, 12.918, 345.265)

Have a look what the booklet for
CIELCh(24, 12.918, 345.265)
contains.

CIELCh(24, 13.072, 345.024)	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, 13.072, 345.024)

Conversions

Conversions Part 1

Format	Color
Hex	49323E
RGB	73, 50, 62
RGB Percent	29%, 20%, 24%
CMY	0.7121, 0.8024, 0.7553
CMYK	0.00, 0.31, 0.15, 0.71
HSL	329°, 19%, 24%
HSV	329°, 31%, 29%
XYZ	4.8177, 4.1002, 5.1531
YIQ	58.2450, 9.8560, 8.6080

Conversions

Conversions Part 2

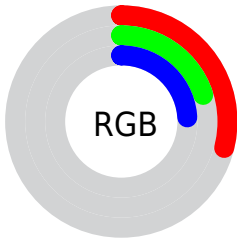
Format	Color
R_{YB}	73, 50, 62
Decimal	4796990
CIE Lab	24.00, 12.63, -3.38
CIE LCh	24, 13.072, 345.024
Yxy	4.1002, 0.3424, 0.2914
Android (android.graphics.Color)	4282987070 (0xFF49323E)
YUV	58.2450, 1.8512, 12.9401
Hunter-Lab	20.2490, 7.0334, -0.9143

Details

The CIELCh color $[24, 13.072, 345.024]$ is a dark color, and the websafe version is hex $\#333333$. A complement of this color would be $[29, 12.671, 159.971]$, and the grayscale version is $[25, 0.004, 296.813]$.

A 20% lighter version of the original color is $[44, 12.590, 346.481]$, and $[4, 13.297, 344.120]$ is the 20% darker color. If you saturate the color by 10%, you get $[22, 17.247, 346.022]$, and if you desaturate by 10%, it is $[26, 8.854, 344.129]$.

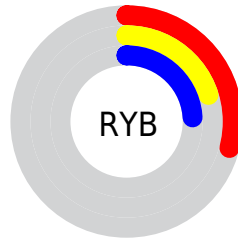
Distribution



 Red (29%)

 Green (20%)

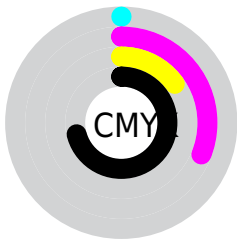
 Blue (24%)




 Red (29%)

 Yellow (20%)

 Blue (24%)

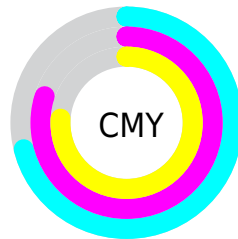


 Cyan (0%)


 Magenta (31%)

 Yellow (15%)

 Black (71%)



 Cyan (71%)


 Magenta (80%)


 Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 13.072, 345.024 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, 13.072, 345.024 by changing the saturation by 10% instead.

 24, 13.072,
345.024


 24, 13.072,
345.024

 100, 13.072,
345.024


 14, 13.072,
345.024


 44, 13.072,
345.024


 4, 13.072, 345.024

 54, 13.072,
345.024

 0, 13.072, 345.024

 64, 13.072,
345.024

 74, 13.072,
345.024

 84, 13.072,
345.024

 94, 13.072,

345.024

■ 24, 13.072,
345.024

■ 24, 13.072,
345.024

■ 22, 17.247,
346.022

■ 26, 8.854, 344.129

■ 29, 4.667, 343.304

■ 20, 21.282,
347.150

■ 31, 0.555, 342.257

■ 18, 25.041,
348.454

■ 33, 3.456, 161.984

■ 16, 28.360,
349.992

■ 36, 7.350, 161.324

■ 15, 31.063,
351.846

■ 38, 11.124,
160.729

■ 14, 33.150,
354.017

■ 41, 14.778,
160.177

■ 13, 35.107,
355.730

■ 43, 18.315,
159.662

■ 45, 21.741,
159.180

Harmonies

Complementary

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



24, 13.072, 345.024



29, 12.671, 159.971

Rectangle

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



24, 13.072, 345.024



24, 13.072, 35.024



24, 13.072, 165.024



24, 13.072, 215.024

Sweetspot

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



24, 13.071, 345.026



37, 4.543, 343.140



23, 16.079, 309.313



18, 3.186, 343.207



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



24, 13.071, 345.026



29, 19.516, 345.818



24, 11.176, 19.124



13, 2.230, 343.076



20, 42.972, 357.444



49, 77.817, 0.567

Inverse Universe

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



24, 13.071, 345.026



29, 19.516, 345.818



29, 9.349, 194.947



13, 2.230, 343.076



20, 42.972, 357.444



49, 77.817, 0.567

Previews

White Background



This preview shows how the CIE LCh color 24, 13.072, 345.024 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, 13.072, 345.024 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, 13.072, 345.024

Background



This preview shows how black text looks on a background with the CIELCh color 24, 13.072, 345.024.



This preview shows how white text looks on a background with the CIELCh color 24, 13.072, 345.024.

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, 13.072, 345.024

Protanopia

24, 6.632, 287.905

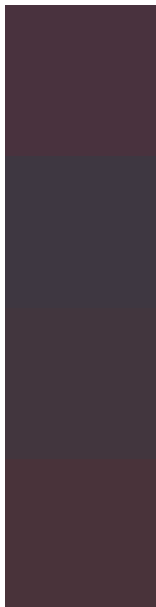
Deuteranopia

24, 4.027, 324.803



Tritanopia
24, 10.236, 6.714

Trichromacy



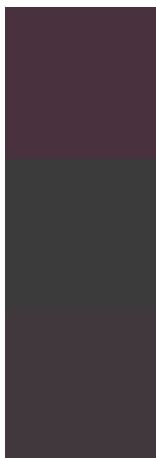
Original Color
24, 13.072, 345.024

Protanomaly
24, 7.350, 316.290

Deuteranomaly
24, 7.596, 336.796

Tritanomaly
24, 11.205, 357.589

Monochromacy



Original Color
24, 13.072, 345.024

Achromatopsia
25, 0.004, 296.813

Achromatomaly
24, 4.518, 344.531

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 13.072, 345.024 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(73, 50, 62)` looks like.

```
.text, #text, p{  
    color:rgb(73, 50, 62)  
}
```

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(73, 50, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 50, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 13.072, 345.024 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(73, 50, 62) }
```

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

```
.border{ border-color:rgb(73, 50, 62) }
```

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

Here you see how a box with a 4 pixel rgb(73, 50, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 50, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 50, 62);  
box-shadow:4px 4px 4px 4px rgb(73, 50, 62)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 13.072, 345.024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 50, 62) }
```

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

```
.background{ background-color: rgb(73, 50,  
62) }
```

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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