

Converting Colors

CIELCh(24, 12.416, 340.181)

Have a look what the booklet for
CIELCh(24, 12.416, 340.181)
contains.

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Color

CIELCh(24, 12.735, 339.802)

Conversions

Conversions Part 1

Format	Color
Hex	483340
RGB	72, 51, 64
RGB Percent	28%, 20%, 25%
CMY	0.7181, 0.8004, 0.7495
CMYK	0.00, 0.29, 0.11, 0.72
HSL	323°, 17%, 24%
HSV	323°, 29%, 28%
XYZ	4.7651, 4.1002, 5.3739
YIQ	58.7610, 8.3430, 8.4950

Conversions

Conversions Part 2

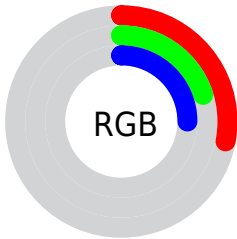
Format	Color
R_{YB}	72, 51, 64
Decimal	4731712
CIE Lab	24.00, 11.95, -4.40
CIE LCh	24, 12.735, 339.802
Yxy	4.1002, 0.3346, 0.2880
Android (android.graphics.Color)	4282921792 (0xFF483340)
YUV	58.7610, 2.5828, 11.6106
Hunter-Lab	20.2490, 6.5696, -1.5609

Details

The CIELCh color **24, 12.735, 339.802** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **28, 12.521, 155.585**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 12.612, 339.616**, and **4, 12.705, 338.973** is the 20% darker color. If you saturate the color by 10%, you get **22, 17.081, 340.628**, and if you desaturate by 10%, it is **26, 8.340, 339.040**.

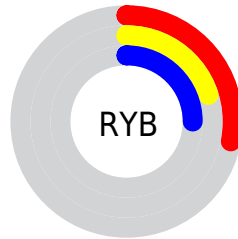
Distribution



Red (28%)

Green (20%)

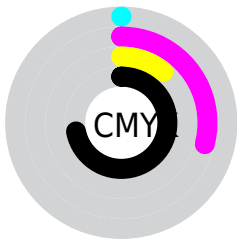
Blue (25%)



Red (28%)

Yellow (20%)

Blue (25%)

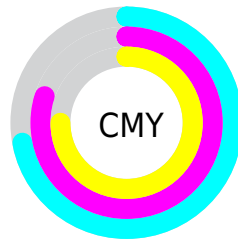


Cyan (0%)

Magenta (29%)

Yellow (11%)

Black (72%)



Cyan (72%)


Magenta (80%)


Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 12.735, 339.802 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, 12.735, 339.802 by changing the saturation by 10% instead.

 24, 12.735,
339.802


 24, 12.735,
339.802

 100, 12.735,
339.802


 14, 12.735,
339.802


 44, 12.735,
339.802


 4, 12.735, 339.802

 54, 12.735,
339.802

 0, 12.735, 339.802

 64, 12.735,
339.802

 74, 12.735,
339.802

 84, 12.735,
339.802

 94, 12.735,

339.802

■ 24, 12.735,
339.802

■ 24, 12.735,
339.802

■ 22, 17.081,
340.628

■ 26, 8.340, 339.040

■ 28, 3.968, 338.316

■ 20, 21.284,
341.533

■ 31, 0.337, 158.228

■ 18, 25.209,
342.542

■ 33, 4.545, 157.132

■ 17, 28.696,
343.690

■ 35, 8.644, 156.538

■ 15, 31.567,
345.026

■ 38, 12.625,
155.990

■ 14, 33.717,
346.589

■ 40, 16.489,
155.477

■ 13, 35.904,
348.063

■ 43, 20.239,
154.995

■ 13, 36.092,
348.172

■ 45, 23.878,
154.540

Harmonies

Complementary

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



24, 12.735, 339.802



28, 12.521, 155.585

Rectangle

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



24, 12.735, 339.802



24, 12.735, 29.802



24, 12.735, 159.802



24, 12.735, 209.802

Sweetspot

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



24, 12.734, 339.803



37, 4.863, 338.327



23, 14.467, 305.810



18, 3.410, 338.387



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, 12.734, 339.803



30, 19.123, 340.391



24, 10.168, 11.126



13, 2.387, 338.270



20, 44.692, 349.477



50, 80.539, 351.701

Inverse Universe

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



24, 12.734, 339.803



30, 19.123, 340.391



29, 8.931, 186.304



13, 2.387, 338.270



20, 44.692, 349.477



50, 80.539, 351.701

Previews

White Background



This preview shows how the CIELCh color 24, 12.735, 339.802 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, 12.735, 339.802 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

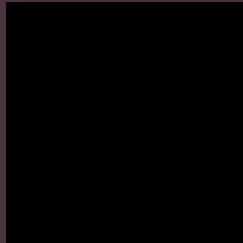
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 12.735, 339.802

Background



This preview shows how black text looks on a background with the CIELCh color 24, 12.735, 339.802.



This preview shows how white text looks on a background with the CIELCh color 24, 12.735, 339.802.

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, 12.735, 339.802

Protanopia

24, 7.320, 285.117

Deuteranopia

24, 4.994, 311.923



Tritanopia
24, 9.310, 4.953

Trichromacy



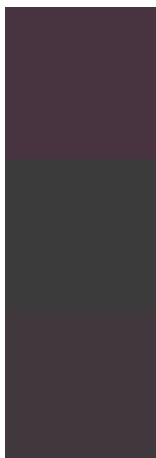
Original Color
24, 12.735, 339.802

Protanomaly
24, 8.418, 309.789

Deuteranomaly
24, 7.488, 328.046

Tritanomaly
24, 9.910, 353.802

Monochromacy



Original Color
24, 12.735, 339.802

Achromatopsia
25, 0.004, 296.813

Achromatomaly
24, 4.924, 338.262

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 12.735, 339.802 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(72, 51, 64)` looks like.

```
.text, #text, p{  
    color:rgb(72, 51, 64)  
}
```

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(72, 51, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 51, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 12.735, 339.802 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(72, 51, 64) }
```

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

```
.border{ border-color:rgb(72, 51, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 51, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 51, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 51, 64);  
box-shadow:4px 4px 4px 4px rgb(72, 51, 64)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 12.735, 339.802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 51, 64) }
```

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

```
.background{ background-color: rgb(72, 51,  
64) }
```

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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