

Converting Colors

CIELCh(24, 1.077, 19.496)

Have a look what the booklet for
CIELCh(24, 1.077, 19.496) contains.

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Color

CIELCh(24, 0.917, 19.326)

Conversions

Conversions Part 1

Format	Color
Hex	3B3939
RGB	59, 57, 57
RGB Percent	23%, 22%, 22%
CMY	0.7701, 0.7779, 0.7779
CMYK	0.00, 0.03, 0.03, 0.77
HSL	0°, 2%, 23%
HSV	0°, 3%, 23%
XYZ	3.9561, 4.1002, 4.4058
YIQ	57.5980, 1.1920, 0.4240

Conversions

Conversions Part 2

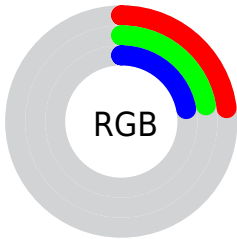
Format	Color
R_{YB}	59, 57, 57
Decimal	3881273
CIE _{Lab}	24.00, 0.87, 0.30
CIE _{LCh}	24, 0.917, 19.326
Yxy	4.1002, 0.3175, 0.3290
Android (android.graphics.Color)	4282071353 (0xFF3B3939)
YUV	57.5980, -0.2948, 1.2296
Hunter-Lab	20.2490, -0.5617, 1.2740

Details

The CIELCh color **24, 0.917, 19.326** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **25, 0.899, 199.548**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 0.826, 19.093**, and **4, 1.109, 19.344** is the 20% darker color. If you saturate the color by 10%, you get **22, 3.728, 20.142**, and if you desaturate by 10%, it is **26, 1.711, 199.298**.

Distribution



 Red (23%)

 Green (22%)

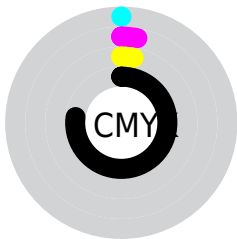
 Blue (22%)



 Red (23%)

 Yellow (22%)

 Blue (22%)



 Cyan (0%)

 Magenta (3%)

 Yellow (3%)

 Black (77%)



 Cyan (77%)

 Magenta (78%)

 Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 24, 0.917, 19.326 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, 0.917, 19.326 by changing the saturation by 10% instead.

■ 24, 0.917, 19.326 ■ 24, 0.917, 19.326

100, 0.917, 19.326 ■ 14, 0.917, 19.326

■ 44, 0.917, 19.326 ■ 4, 0.917, 19.326

■ 54, 0.917, 19.326 ■ 0, 0.917, 19.326

■ 64, 0.917, 19.326

■ 74, 0.917, 19.326

■ 84, 0.917, 19.326

■ 94, 0.917, 19.326

■ 24, 0.917, 19.326 ■ 24, 0.917, 19.326

■ 22, 3.728, 20.142 ■ 26, 1.711, 199.298

20, 6.732, 20.887

28, 4.169, 198.838

18, 9.930, 21.799

30, 6.470, 198.506

16, 13.309, 22.939

32, 8.632, 198.238

14, 16.842, 24.374

34, 10.668,
198.017

13, 20.471, 26.139

37, 12.592,
197.832

11, 23.799, 26.836

10, 26.554, 26.545

39, 14.416,
197.677

9, 29.149, 25.784

41, 16.153,
197.544

43, 17.811,
197.431

Harmonies

Complementary

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



24, 0.917, 19.326



25, 0.899, 199.548

Rectangle

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



24, 0.917, 19.326



24, 0.917, 69.326



24, 0.917, 199.326



24, 0.917, 249.326

Sweetspot

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



24, 0.916, 19.374



32, 0.333, 18.677



24, 1.617, 324.535



15, 0.186, 18.541



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



24, 0.916, 19.374



32, 1.346, 19.462



24, 0.796, 74.872



10, 0.719, 19.456



17, 46.049, 34.476



46, 93.311, 40.005

Inverse Universe

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



25, 0.899, 199.548



32, 1.316, 199.464



24, 0.797, 255.972



10, 0.703, 199.469



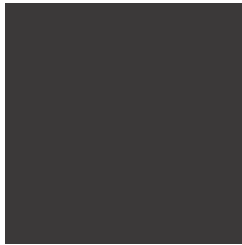
35, 23.740, 196.466



80, 44.684, 196.473

Previews

White Background



This preview shows how the CIELCh color 24, 0.917, 19.326 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, 0.917, 19.326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

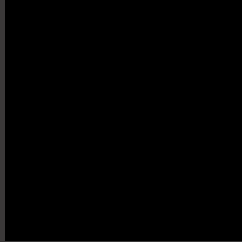
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

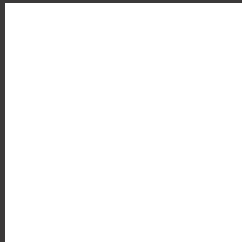
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 24, 0.917, 19.326

Background



This preview shows how black text looks on a background with the CIELCh color 24, 0.917, 19.326.



This preview shows how white text looks on a background with the CIELCh color 24, 0.917, 19.326.

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, 0.917, 19.326

Protanopia

24, 0.457, 18.991

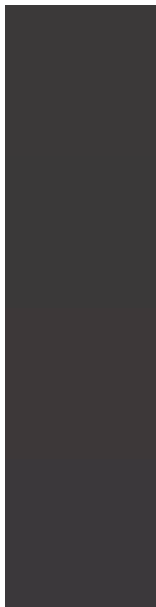
Deuteranopia

24, 3.936, 0.531



Tritanopia
24, 2.995, 317.511

Trichromacy



Original Color
24, 0.917, 19.326

Protanomaly
24, 0.457, 18.991

Deuteranomaly
24, 2.401, 3.813

Tritanomaly
24, 2.425, 324.636

Monochromacy



Original Color
24, 0.917, 19.326

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 0.457, 18.991

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 0.917, 19.326 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(59, 57, 57)` looks like.

```
.text, #text, p{  
    color:rgb(59, 57, 57)  
}
```

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(59, 57, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 57, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 0.917, 19.326 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(59, 57, 57) }
```

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

```
.border{ border-color:rgb(59, 57, 57) }
```

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

Here you see how a box with a 4 pixel rgb(59, 57, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 57, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 57, 57);  
box-shadow:4px 4px 4px 4px rgb(59, 57, 57)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 0.917, 19.326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 57, 57) }
```

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

```
.background{ background-color: rgb(59, 57,  
57) }
```

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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