

Converting Colors

CIELCh(18, 23.476, 324.650)

Have a look what the booklet for
CIELCh(18, 23.476, 324.650)
contains.

CIELCh(18, 23.477, 324.650)	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(18, 23.477, 324.650)

Conversions

Conversions Part 1

Format	Color
Hex	3E2240
RGB	62, 34, 64
RGB Percent	24%, 13%, 25%
CMY	0.7577, 0.8674, 0.7498
CMYK	0.03, 0.47, 0.00, 0.75
HSL	296°, 31%, 19%
HSV	296°, 47%, 25%
XYZ	3.4594, 2.5180, 5.1233
YIQ	45.7920, 7.0580, 15.2660

Conversions

Conversions Part 2

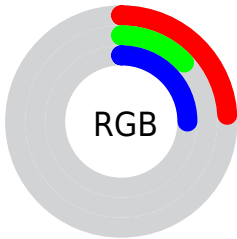
Format	Color
RYB	62, 34, 64
Decimal	4072000
CIELab	18.00, 19.15, -13.58
CIELCh	18, 23.477, 324.650
Yxy	2.5180, 0.3116, 0.2268
Android (android.graphics.Color)	4282262080 (0xFF3E2240)
YUV	45.7920, 8.9765, 14.2144
Hunter-Lab	15.8683, 11.1444, -8.0347

Details

The CIELCh color **18, 23.477, 324.650** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **24, 23.400, 139.815**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 23.679, 324.214**, and **1, 11.088, 315.444** is the 20% darker color. If you saturate the color by 10%, you get **16, 28.098, 325.013**, and if you desaturate by 10%, it is **20, 18.602, 324.248**.

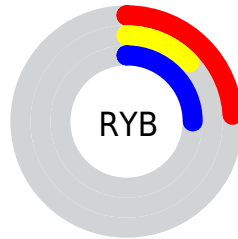
Distribution



 Red (24%)

 Green (13%)

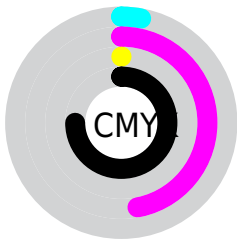
 Blue (25%)



 Red (24%)

 Yellow (13%)

 Blue (25%)

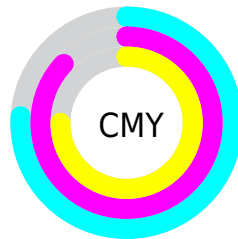


 Cyan (3%)


 Magenta (47%)

 Yellow (0%)

 Black (75%)



 Cyan (76%)

 Magenta (87%)

 Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 23.477, 324.650 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 18, 23.477, 324.650 by changing the saturation by 10% instead.

■ 18, 23.477,
324.650

■ 18, 23.477,
324.650

■ 100, 23.477,
324.650

■ 8, 23.477, 324.650

■ 38, 23.477,
324.650

■ 0, 23.477, 324.650

■ 48, 23.477,
324.650


■ 58, 23.477,
324.650


■ 68, 23.477,
324.650


■ 78, 23.477,
324.650


■ 88, 23.477,


324.650


 98, 23.477,
324.650


 18, 23.477,
324.650


 18, 23.477,
324.650

 16, 28.098,
325.013


 20, 18.602,
324.248

 15, 32.325,
325.320

 22, 13.592,
323.820


 14, 36.002,
325.555

 24, 8.535, 323.376

 13, 39.014,
325.707

 26, 3.497, 322.916

 28, 1.476, 142.583

 12, 42.022,
325.869

 30, 6.356, 142.101

■ 11, 42.981,
325.926

■ 32, 11.125,
141.683

■ 34, 15.772,
141.287

■ 36, 20.294,
140.913

Harmonies

Complementary

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



18, 23.477, 324.650



24, 23.400, 139.815

Rectangle

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



18, 23.477, 324.650



18, 23.477, 14.650



18, 23.477, 144.650



18, 23.477, 194.650

Sweetspot

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



18, 23.476, 324.650



32, 8.838, 323.269



15, 19.347, 292.475



15, 6.158, 323.316



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



18, 23.476, 324.650



23, 34.661, 325.064



18, 18.054, 343.089



12, 2.870, 322.991



20, 57.090, 325.777



51, 105.336, 325.590

Inverse Universe

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



17, 15.456, 18.518



21, 23.750, 20.548



24, 17.541, 155.522



12, 1.693, 14.345



18, 47.008, 32.588



47, 92.256, 37.840

Previews

White Background



This preview shows how the CIELCh color 18, 23.477, 324.650 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 18, 23.477, 324.650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

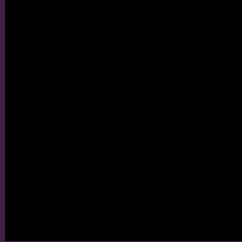
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 23.477, 324.650

Background



This preview shows how black text looks on a background with the CIELCh color 18, 23.477, 324.650.



This preview shows how white text looks on a background with the CIELCh color 18, 23.477, 324.650.

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

18, 23.477, 324.650

Protanopia

18, 19.463, 283.466

Deuteranopia

18, 12.499, 284.046



Tritanopia
18, 10.111, 10.277

Trichromacy



Original Color
18, 23.477, 324.650

Protanomaly
18, 20.142, 298.220

Deuteranomaly
18, 16.242, 304.137

Tritanomaly
18, 13.883, 343.194

Monochromacy



Original Color
18, 23.477, 324.650

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 8.298, 325.314

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 23.477, 324.650 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(62, 34, 64)` looks like.

```
.text, #text, p{  
    color:rgb(62, 34, 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(62, 34, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 34, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 23.477, 324.650 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(62, 34, 64) }
```

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

```
.border{ border-color:rgb(62, 34, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 34, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 34, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 34, 64);  
box-shadow:4px 4px 4px 4px rgb(62, 34, 64)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 23.477, 324.650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 34, 64) }
```

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

```
.background{ background-color: rgb(62, 34,  
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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