

Converting Colors

CIELCh(18, 23.727, 320.291)

Have a look what the booklet for
CIELCh(18, 23.727, 320.291)
contains.

CIELCh(18, 23.383, 319.810)	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, 23.383, 319.810)

Conversions

Conversions Part 1

Format	Color
Hex	3B2342
RGB	59, 35, 66
RGB Percent	23%, 14%, 26%
CMY	0.7689, 0.8630, 0.7415
CMYK	0.11, 0.47, 0.00, 0.74
HSL	286°, 31%, 20%
HSV	286°, 47%, 26%
XYZ	3.3795, 2.5180, 5.4507
YIQ	45.7100, 4.3530, 14.7290

Conversions

Conversions Part 2

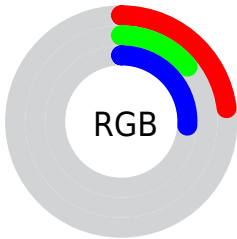
Format	Color
R_{YB}	59, 35, 66
Decimal	3875650
CIE _{Lab}	18.00, 17.86, -15.09
CIE _{LCh}	18, 23.383, 319.810
Yxy	2.5180, 0.2978, 0.2219
Android (android.graphics.Color)	4282065730 (0xFF3B2342)
YUV	45.7100, 10.0030, 11.6553
Hunter-Lab	15.8683, 10.2453, -9.2581

Details

The CIELCh color **18, 23.383, 319.810** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **25, 22.903, 135.787**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 23.456, 319.883**, and **1, 11.827, 305.156** is the 20% darker color. If you saturate the color by 10%, you get **16, 28.166, 320.127**, and if you desaturate by 10%, it is **20, 18.429, 319.450**.

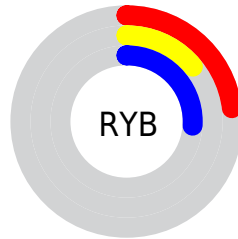
Distribution



 Red (23%)

 Green (14%)

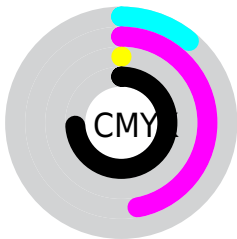
 Blue (26%)




 Red (23%)

 Yellow (14%)

 Blue (26%)

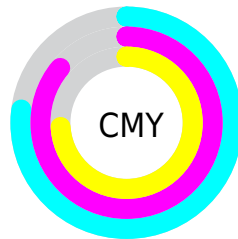


 Cyan (11%)


 Magenta (47%)

 Yellow (0%)

 Black (74%)



 Cyan (77%)


 Magenta (86%)


 Yellow (74%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 23.383, 319.810 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, 23.383, 319.810 by changing the saturation by 10% instead.

 18, 23.383,
319.810


 18, 23.383,
319.810


 100, 23.383,
319.810


 8, 23.383, 319.810


 38, 23.383,
319.810

 0, 23.383, 319.810

 48, 23.383,
319.810


 58, 23.383,
319.810


 68, 23.383,
319.810


 78, 23.383,
319.810


 88, 23.383,


319.810


 98, 23.383,
319.810


 18, 23.383,
319.810


 18, 23.383,
319.810

 16, 28.166,
320.127


 20, 18.429,
319.450

 14, 32.644,
320.376

 22, 13.409,
319.067


 13, 36.650,
320.526

 24, 8.394, 318.673

 12, 40.025,
320.550

 26, 3.433, 318.272

 29, 1.442, 137.988

 10, 43.482,
320.636

 31, 6.213, 137.581

■ 10, 44.615,
320.692

■ 33, 10.870,
137.237

■ 35, 15.407,
136.917

■ 38, 19.826,
136.622

Harmonies

Complementary

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



18, 23.383, 319.810



25, 22.903, 135.787

Rectangle

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



18, 23.383, 319.810



18, 23.383, 9.810



18, 23.383, 139.810



18, 23.383, 189.810

Sweetspot

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



18, 23.382, 319.810



33, 8.659, 318.578



18, 16.568, 284.914



15, 5.888, 318.617



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, 23.382, 319.810



22, 34.688, 320.168



19, 20.452, 335.943



12, 2.739, 318.334



17, 58.078, 320.277



45, 107.393, 319.711

Inverse Universe

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



18, 15.917, 6.504



22, 23.999, 8.558



25, 20.300, 149.392



12, 1.766, 1.917



18, 43.779, 23.561



47, 83.503, 28.222

Previews

White Background



This preview shows how the CIELCh color 18, 23.383, 319.810 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, 23.383, 319.810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

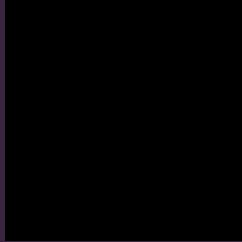
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 23.383, 319.810

Background



This preview shows how black text looks on a background with the CIELCh color 18, 23.383, 319.810.



This preview shows how white text looks on a background with the CIELCh color 18, 23.383, 319.810.

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, 23.383, 319.810

Protanopia

18, 20.847, 284.829

Deuteranopia

18, 13.947, 282.372



Tritanopia
18, 8.113, 6.758

Trichromacy



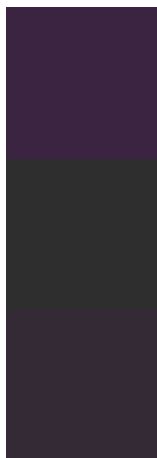
Original Color
18, 23.383, 319.810

Protanomaly
18, 20.806, 297.210

Deuteranomaly
18, 16.713, 299.633

Tritanomaly
18, 12.515, 337.022

Monochromacy



Original Color
18, 23.383, 319.810

Achromatopsia
19, 0.004, 296.813

Achromatomaly
18, 8.645, 320.130

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 23.383, 319.810 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, 35, 66)` looks like.

```
.text, #text, p{  
    color:rgb(59, 35, 66)  
}
```

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, 35, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 35, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 23.383, 319.810 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, 35, 66) }
```

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

```
.border{ border-color:rgb(59, 35, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 35, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 35, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 35, 66);  
box-shadow:4px 4px 4px 4px rgb(59, 35, 66)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 23.383, 319.810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 35, 66) }
```

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

```
.background{ background-color: rgb(59, 35,  
66) }
```

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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