

Converting Colors

CIELCh(20, 23.582, 313.622)

Have a look what the booklet for
CIELCh(20, 23.582, 313.622)
contains.

CIELCh(20, 23.038, 314.034)	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(20, 23.038, 314.034)

Conversions

Conversions Part 1

Format	Color
Hex	3C2949
RGB	60, 41, 73
RGB Percent	24%, 16%, 29%
CMY	0.7661, 0.8405, 0.7151
CMYK	0.18, 0.44, 0.00, 0.72
HSL	276°, 28%, 22%
HSV	276°, 44%, 28%
XYZ	3.8144, 2.9891, 6.6170
YIQ	50.3290, 1.0520, 13.9800

Conversions

Conversions Part 2

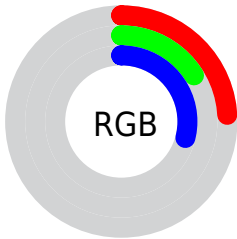
Format	Color
R_{YB}	60, 41, 73
Decimal	3942729
CIE _{Lab}	20.00, 16.01, -16.56
CIE _{LCh}	20, 23.038, 314.034
Yxy	2.9891, 0.2842, 0.2227
Android (android.graphics.Color)	4282132809 (0xFF3C2949)
YUV	50.3290, 11.1768, 8.4815
Hunter-Lab	17.2889, 9.1269, -10.5900

Details

The CIELCh color **20, 23.038, 314.034** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **29, 22.056, 130.439**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **40, 22.875, 313.688**, and **2, 18.217, 311.108** is the 20% darker color. If you saturate the color by 10%, you get **18, 28.329, 314.429**, and if you desaturate by 10%, it is **22, 17.696, 313.617**.

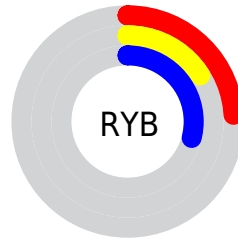
Distribution



 Red (24%)

 Green (16%)

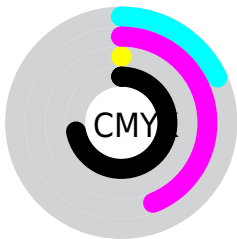
 Blue (29%)



 Red (24%)

 Yellow (16%)

 Blue (29%)

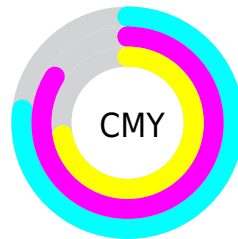


 Cyan (18%)

 Magenta (44%)

 Yellow (0%)

 Black (72%)



 Cyan (77%)

 Magenta (84%)

 Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 23.038, 314.034 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 20, 23.038, 314.034 by changing the saturation by 10% instead.

■ 20, 23.038,
314.034

■ 20, 23.038,
314.034

■ 100, 23.038,
314.034

■ 10, 23.038,
314.034

■ 40, 23.038,
314.034

■ 0, 23.038, 314.034

■ 50, 23.038,
314.034

■ 60, 23.038,
314.034

■ 70, 23.038,
314.034

■ 80, 23.038,
314.034

■ 90, 23.038,

314.034

■ 20, 23.038,
314.034

■ 20, 23.038,
314.034

■ 18, 28.329,
314.429

■ 22, 17.696,
313.617

■ 15, 33.453,
314.770

■ 25, 12.385,
313.198

■ 13, 38.238,
315.017

■ 27, 7.152, 312.789

■ 12, 42.460,
315.113

■ 30, 2.027, 312.381

■ 10, 46.348,
315.167

■ 32, 2.976, 132.083

■ 9, 49.015, 315.351

■ 35, 7.849, 131.739
■ 37, 12.591,
131.436

■ 40, 17.204,
131.163

■ 42, 21.692,
130.919

Harmonies

Complementary

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



20, 23.038, 314.034



29, 22.056, 130.439

Rectangle

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



20, 23.038, 314.034



20, 23.038, 4.034



20, 23.038, 134.034



20, 23.038, 184.034

Sweetspot

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



20, 23.037, 314.034



36, 8.238, 312.769



22, 13.257, 270.669



17, 5.821, 312.821



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



20, 23.037, 314.034



24, 34.525, 314.467



22, 23.562, 329.026



13, 2.787, 312.571



15, 61.018, 314.874



39, 112.125, 314.087

Inverse Universe

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



21, 17.107, 353.373



26, 25.481, 354.963



28, 23.595, 143.717



13, 2.069, 349.639



19, 42.330, 7.750



48, 77.678, 11.810

Previews

White Background



This preview shows how the CIE LCh color 20, 23.038, 314.034 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 20, 23.038, 314.034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

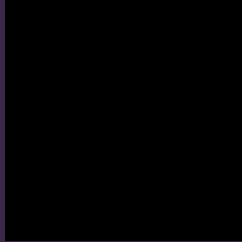
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 23.038, 314.034

Background



This preview shows how black text looks on a background with the CIELCh color 20, 23.038, 314.034.



This preview shows how white text looks on a background with the CIELCh color 20, 23.038, 314.034.

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

20, 23.038, 314.034

Protanopia

20, 21.237, 283.897

Deuteranopia

20, 15.862, 281.610



Tritanopia
20, 5.173, 357.430

Trichromacy



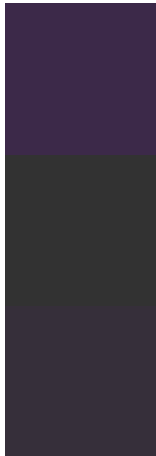
Original Color
20, 23.038, 314.034

Protanomaly
20, 21.802, 295.105

Deuteranomaly
20, 18.463, 296.769

Tritanomaly
20, 11.196, 323.541

Monochromacy



Original Color
20, 23.038, 314.034

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 8.135, 314.366

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 23.038, 314.034 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(60, 41, 73)` looks like.

```
.text, #text, p{  
    color:rgb(60, 41, 73)  
}
```

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(60, 41, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 41, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 23.038, 314.034 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(60, 41, 73) }
```

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

```
.border{ border-color:rgb(60, 41, 73) }
```

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

Here you see how a box with a 4 pixel rgb(60, 41, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 41, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 41, 73);  
box-shadow:4px 4px 4px 4px rgb(60, 41, 73)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 23.038, 314.034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 41, 73) }
```

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

```
.background{ background-color: rgb(60, 41,  
73) }
```

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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