

Converting Colors

CIELCh(19, 29.225, 319.648)

Have a look what the booklet for
CIElCh(19, 29.225, 319.648)
contains.

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Color

CIELCh(19, 29.354, 319.320)

Conversions

Conversions Part 1

Format	Color
Hex	40224A
RGB	64, 34, 74
RGB Percent	25%, 13%, 29%
CMY	0.7483, 0.8660, 0.7091
CMYK	0.13, 0.54, 0.00, 0.71
HSL	285°, 37%, 21%
HSV	285°, 54%, 29%
XYZ	3.9454, 2.7468, 6.8332
YIQ	47.5300, 5.0400, 18.8000

Conversions

Conversions Part 2

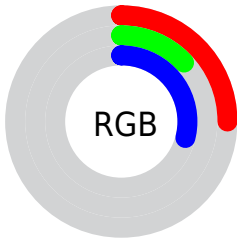
Format	Color
R_{YB}	64, 34, 74
Decimal	4203082
CIE _{Lab}	19.00, 22.26, -19.13
CIE _{LCh}	19, 29.354, 319.320
Yxy	2.7468, 0.2917, 0.2031
Android (android.graphics.Color)	4282393162 (0xFF40224A)
YUV	47.5300, 13.0497, 14.4442
Hunter-Lab	16.5735, 13.4892, -12.8435

Details

The CIELCh color **19, 29.354, 319.320** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **28, 28.578, 134.686**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 29.120, 319.280**, and **2, 18.581, 313.808** is the 20% darker color. If you saturate the color by 10%, you get **17, 34.396, 319.590**, and if you desaturate by 10%, it is **21, 24.019, 318.985**.

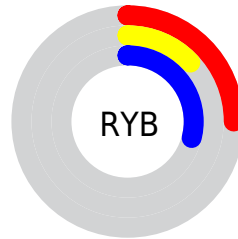
Distribution



 Red (25%)

 Green (13%)

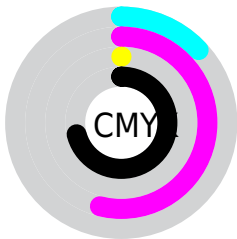
 Blue (29%)




 Red (25%)

 Yellow (13%)

 Blue (29%)

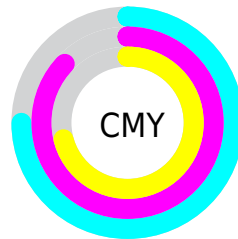


 Cyan (13%)

 Magenta (54%)

 Yellow (0%)

 Black (71%)



 Cyan (75%)


 Magenta (87%)


 Yellow (71%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 29.354, 319.320 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 19, 29.354, 319.320 by changing the saturation by 10% instead.

 19, 29.354,
319.320


 19, 29.354,
319.320


 100, 29.354,
319.320


 9, 29.354, 319.320


 39, 29.354,
319.320

 0, 29.354, 319.320

 49, 29.354,
319.320


 59, 29.354,
319.320


 69, 29.354,
319.320


 79, 29.354,
319.320


 89, 29.354,


319.320


 99, 29.354,
319.320


 19, 29.354,
319.320


 19, 29.354,
319.320


 17, 34.396,
319.590


 21, 24.019,
318.985

 15, 38.961,
319.761


 23, 18.538,
318.611

 14, 42.835,
319.796

 26, 13.015,
318.219

 12, 46.203,
319.752

 28, 7.523, 317.820

 11, 48.454,
319.799

 31, 2.108, 317.402

 33, 3.200, 137.106

■ 36, 8.385, 136.737

■ 38, 13.439,
136.403

■ 40, 18.360,
136.096

Harmonies

Complementary

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



19, 29.354, 319.320



28, 28.578, 134.686

Rectangle

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



19, 29.354, 319.320



19, 29.354, 9.320



19, 29.354, 139.320



19, 29.354, 189.320

Sweetspot

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



19, 29.353, 319.320



36, 10.799, 317.927



19, 20.736, 285.509



17, 7.197, 317.963



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



19, 29.353, 319.320



23, 43.358, 319.665



20, 25.888, 335.806



14, 3.077, 317.609



18, 60.433, 319.450



45, 109.669, 318.878

Inverse Universe

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



19, 20.339, 6.076



23, 30.496, 9.018



28, 25.813, 147.948



14, 2.018, 0.182



20, 44.953, 21.963



48, 83.701, 26.349

Previews

White Background



This preview shows how the CIE LCh color 19, 29.354, 319.320 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 19, 29.354, 319.320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

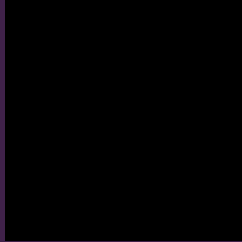
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 29.354, 319.320

Background



This preview shows how black text looks on a background with the CIELCh color 19, 29.354, 319.320.



This preview shows how white text looks on a background with the CIELCh color 19, 29.354, 319.320.

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

19, 29.354, 319.320

Protanopia

19, 27.497, 285.937

Deuteranopia

19, 17.465, 278.876



Tritanopia
19, 9.023, 8.550

Trichromacy



Original Color
19, 29.354, 319.320

Protanomaly
19, 27.450, 296.463

Deuteranomaly
19, 21.358, 298.117

Tritanomaly
19, 15.503, 334.988

Monochromacy



Original Color
19, 29.354, 319.320

Achromatopsia
20, 0.004, 296.813

Achromatomaly
19, 11.409, 317.727

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 29.354, 319.320 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(64, 34, 74)` looks like.

```
.text, #text, p{  
    color:rgb(64, 34, 74)  
}
```

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(64, 34, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 34, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 29.354, 319.320 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(64, 34, 74) }
```

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

```
.border{ border-color:rgb(64, 34, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 34, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 34, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 34, 74);  
box-shadow:4px 4px 4px 4px rgb(64, 34, 74)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 29.354, 319.320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 34, 74) }
```

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

```
.background{ background-color: rgb(64, 34,  
74) }
```

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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