

Converting Colors

CIELCh(29, 20.285, 313.799)

Have a look what the booklet for
CIELCh(29, 20.285, 313.799)
contains.

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Color

CIELCh(29, 19.945, 313.333)

Conversions

Conversions Part 1

Format	Color
Hex	4F3E5B
RGB	79, 62, 91
RGB Percent	31%, 24%, 36%
CMY	0.6908, 0.7574, 0.6437
CMYK	0.13, 0.32, 0.00, 0.64
HSL	275°, 19%, 30%
HSV	275°, 32%, 36%
XYZ	6.8083, 5.8380, 10.6307
YIQ	70.3890, 0.8230, 12.6230

Conversions

Conversions Part 2

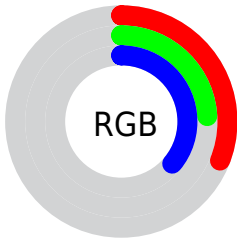
Format	Color
R_{YB}	79, 62, 91
Decimal	5193307
CIE _{Lab}	29.00, 13.69, -14.51
CIE _{LCh}	29, 19.945, 313.333
Yxy	5.8380, 0.2925, 0.2508
Android (android.graphics.Color)	4283383387 (0xFF4F3E5B)
YUV	70.3890, 10.1612, 7.5518
Hunter-Lab	24.1619, 8.0141, -9.1728

Details

The CIELCh color **29, 19.945, 313.333** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **36, 19.301, 130.681**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **49, 19.671, 313.827**, and **9, 20.235, 313.852** is the 20% darker color. If you saturate the color by 10%, you get **26, 26.371, 313.769**, and if you desaturate by 10%, it is **32, 13.565, 312.897**.

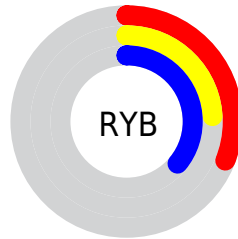
Distribution



Red (31%)

Green (24%)

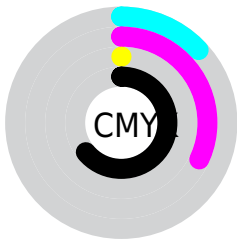
Blue (36%)



Red (31%)

Yellow (24%)

Blue (36%)

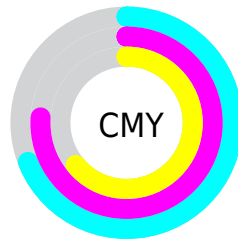


Cyan (13%)

Magenta (32%)

Yellow (0%)

Black (64%)



Cyan (69%)


Magenta (76%)


Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 19.945, 313.333 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 29, 19.945, 313.333 by changing the saturation by 10% instead.

 29, 19.945,
313.333


 29, 19.945,
313.333

 100, 19.945,
313.333


 19, 19.945,
313.333


 49, 19.945,
313.333


 9, 19.945, 313.333

 59, 19.945,
313.333

 0, 19.945, 313.333

 69, 19.945,
313.333

 79, 19.945,
313.333

 89, 19.945,
313.333

 99, 19.945,

313.333

■ 29, 19.945,
313.333

■ 29, 19.945,
313.333

■ 26, 26.371,
313.769

■ 32, 13.565,
312.897

■ 23, 32.751,
314.184

■ 35, 7.293, 312.475

■ 21, 38.934,
314.545

■ 38, 1.159, 312.022

■ 41, 4.818, 131.747

■ 18, 44.703,
314.805

■ 44, 10.633,
131.405

■ 16, 49.767,
314.903

■ 47, 16.285,
131.102

■ 14, 53.877,
314.791

■ 50, 21.777,
130.830

■ 13, 57.317,
314.805

■ 53, 27.115,
130.588

■ 56, 32.305,
130.373

Harmonies

Complementary

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



29, 19.945, 313.333



36, 19.301, 130.681

Rectangle

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



29, 19.945, 313.333



29, 19.945, 3.333



29, 19.945, 133.333



29, 19.945, 183.333

Sweetspot

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



29, 19.944, 313.333



46, 7.545, 312.409



31, 11.556, 268.547



22, 5.100, 312.445



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



29, 19.944, 313.333



35, 29.471, 313.651



30, 20.721, 328.462



17, 3.448, 312.348



17, 65.524, 314.553



41, 116.116, 313.859

Inverse Universe

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



30, 14.926, 351.566



37, 22.014, 352.445



36, 20.707, 144.667



17, 2.576, 349.239



22, 45.346, 7.697



51, 80.215, 11.228

Previews

White Background



This preview shows how the CIE LCh color 29, 19.945, 313.333 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 CIELCh color 29, 19.945, 313.333 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 29, 19.945, 313.333

Background



This preview shows how black text looks on a background with the CIELCh color 29, 19.945, 313.333.



This preview shows how white text looks on a background with the CIELCh color 29, 19.945, 313.333.

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

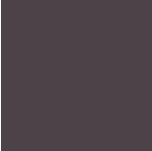
29, 19.945, 313.333

Protanopia

29, 17.506, 283.753

Deuteranopia

29, 14.834, 288.492



Tritanopia
29, 5.494, 344.615

Trichromacy



Original Color
29, 19.945, 313.333

Protanomaly
29, 17.418, 294.642

Deuteranomaly
29, 16.255, 298.677

Tritanomaly
29, 10.643, 323.313

Monochromacy



Original Color
29, 19.945, 313.333

Achromatopsia
30, 0.005, 296.813

Achromatomaly
29, 7.560, 311.188

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 19.945, 313.333 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(79, 62, 91)` looks like.

```
.text, #text, p{  
    color:rgb(79, 62, 91)  
}
```

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(79, 62, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 62, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 19.945, 313.333 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(79, 62, 91) }
```

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

```
.border{ border-color:rgb(79, 62, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 62, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 62, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 62, 91);  
box-shadow:4px 4px 4px 4px rgb(79, 62, 91)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 19.945, 313.333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 62, 91) }
```

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

```
.background{ background-color: rgb(79, 62,  
91) }
```

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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