

Converting Colors

CIELCh(19, 4.612, 153.118)

Have a look what the booklet for
CIELCh(19, 4.612, 153.118) contains.

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Color

CIELCh(19, 4.784, 152.891)

Conversions

Conversions Part 1	
Format	Color
Hex	29302B
RGB	41, 48, 43
RGB Percent	16%, 19%, 17%
CMY	0.8397, 0.8122, 0.8318
CMYK	0.15, 0.00, 0.10, 0.81
HSL	137°, 8%, 17%
HSV	137°, 15%, 19%
XYZ	2.3959, 2.7468, 2.6783
YIQ	45.3370, -2.5670, -3.0390

Conversions

Conversions Part 2

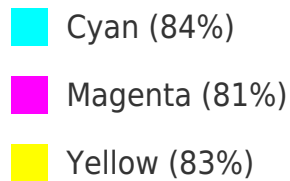
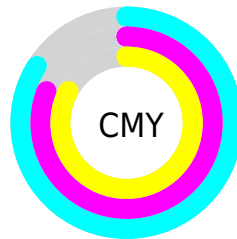
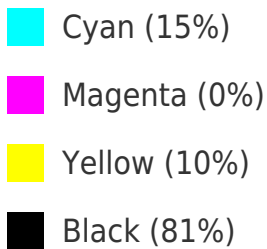
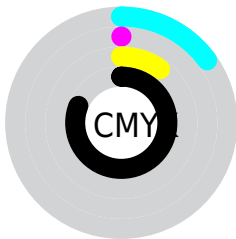
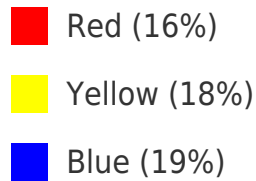
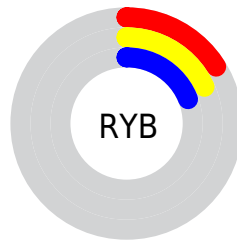
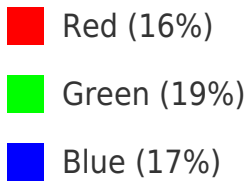
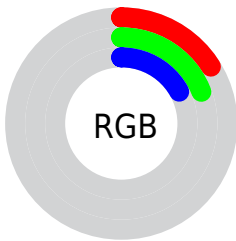
Format	Color
RYB	41, 46, 48
Decimal	2699307
CIELab	19.00, -4.26, 2.18
CIELCh	19, 4.784, 152.891
Yxy	2.7468, 0.3063, 0.3512
Android (android.graphics.Color)	4280889387 (0xFF29302B)
YUV	45.3370, -1.1521, -3.8035
Hunter-Lab	16.5735, -3.1998, 2.0203

Details

The CIELCh color **19, 4.784, 152.891** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **17, 4.810, 334.506**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 5.012, 151.849**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 8.076, 152.210**, and if you desaturate by 10%, it is **20, 1.502, 153.544**.

Distribution




Brightness & Saturation Gradients


These gradients show how the CIELCh color 19, 4.784, 152.891 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, 4.784, 152.891 by changing the saturation by 10% instead.

 19, 4.784, 152.891

 19, 4.784, 152.891

 100, 4.784,
152.891

 9, 4.784, 152.891

 39, 4.784, 152.891

 0, 4.784, 152.891

 49, 4.784, 152.891

 59, 4.784, 152.891

 69, 4.784, 152.891

 79, 4.784, 152.891

 89, 4.784, 152.891

 99, 4.784, 152.891

■ 19, 4.784, 152.891

■ 19, 4.784, 152.891

■ 18, 8.076, 152.210

■ 20, 1.502, 153.544

■ 18, 11.349,
151.454

■ 20, 1.748, 333.927

■ 18, 14.567,
150.606

■ 21, 4.949, 334.455

■ 21, 8.087, 334.901

■ 17, 17.693,
149.652

■ 22, 11.154,
335.303

■ 17, 20.683,
148.584

■ 23, 14.143,
335.668

■ 17, 23.494,
147.392

■ 24, 17.053,
336.002

■ 16, 26.120,
146.154

■ 24, 19.881,
336.311

■ 16, 28.655,
145.405

■ 25, 22.629,
336.596

■ 16, 29.960,
145.259

Harmonies

Complementary

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



19, 4.784, 152.891



17, 4.810, 334.506

Rectangle

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



19, 4.784, 152.891



19, 4.784, 202.891



19, 4.784, 332.891



19, 4.784, 22.891

Sweetspot

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



19, 4.785, 152.890



26, 1.600, 153.575



19, 4.859, 120.470



11, 1.110, 153.558



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



19, 4.785, 152.890



25, 7.254, 152.604



19, 3.401, 180.952



7, 1.623, 153.403



31, 46.973, 142.386



75, 94.331, 140.519

Inverse Universe

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



17, 4.810, 334.506



22, 7.299, 334.764



17, 3.559, 3.097



7, 1.605, 334.035



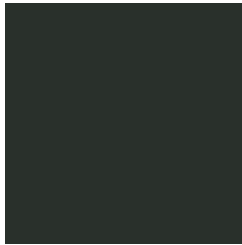
17, 43.060, 342.356



48, 81.529, 344.047

Previews

White Background



This preview shows how the CIELCh color 19, 4.784, 152.891 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 19, 4.784, 152.891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

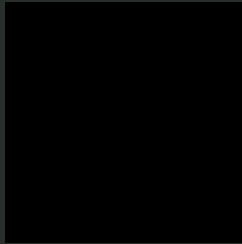
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 4.784, 152.891

Background



This preview shows how black text looks on a background with the CIELCh color 19, 4.784, 152.891.



This preview shows how white text looks on a background with the CIELCh color 19, 4.784, 152.891.

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, 4.784, 152.891

Protanopia

19, 2.895, 89.815

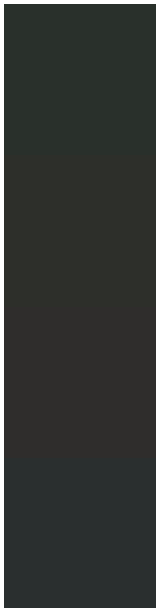
Deuteranopia

19, 3.395, 20.092



Tritanopia
19, 3.009, 242.344

Trichromacy



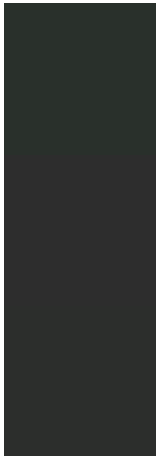
Original Color
19, 4.784, 152.891

Protanomaly
19, 3.552, 125.083

Deuteranomaly
19, 1.172, 55.131

Tritanomaly
19, 2.300, 199.017

Monochromacy



Original Color
19, 4.784, 152.891

Achromatopsia
18, 0.003, 296.813

Achromatomaly
19, 1.675, 144.298

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 4.784, 152.891 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(41, 48, 43)` looks like.

```
.text, #text, p{  
    color:rgb(41, 48, 43)  
}
```


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(41, 48, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 48, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 4.784, 152.891 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(41, 48, 43) }
```


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

```
.border{ border-color:rgb(41, 48, 43) }
```

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

Here you see how a box with a 4 pixel rgb(41, 48, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 48, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 48, 43);  
box-shadow:4px 4px 4px 4px rgb(41, 48, 43)  
}
```


Background

The CSS property to change the background color of an element to CIELCh 19, 4.784, 152.891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 48, 43) }
```

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

```
.background{ background-color: rgb(41, 48,  
43) }
```

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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