

Converting Colors

CIELCh(20, 63.867, 319.993)

Have a look what the booklet for
CIELCh(20, 63.867, 319.993)
contains.

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Color

CIELCh(20, 63.634, 319.818)

Conversions

Conversions Part 1

Format	Color
Hex	54006E
RGB	84, 0, 110
RGB Percent	33%, 0%, 43%
CMY	0.6715, 1.0000, 0.5695
CMYK	0.24, 1.00, 0.00, 0.57
HSL	286°, 100%, 22%
HSV	286°, 100%, 43%
XYZ	6.4353, 2.9891, 14.9274
YIQ	37.6560, 14.7540, 52.0180

Conversions

Conversions Part 2

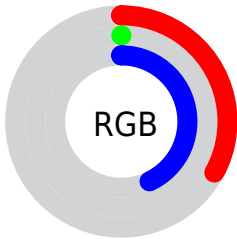
Format	Color
RYB	84, 0, 110
Decimal	5505134
CIELab	20.00, 48.62, -41.06
CIELCh	20, 63.634, 319.818
Yxy	2.9891, 0.2643, 0.1227
Android (android.graphics.Color)	4283695214 (0xFF54006E)
YUV	37.6560, 35.6656, 40.6437
Hunter-Lab	17.2889, 36.1861, -39.0894

Details

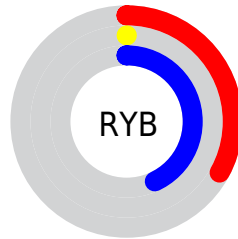
The CIELCh color **20, 63.634, 319.818** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **40, 62.391, 133.637**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 63.316, 319.751**, and **7, 43.690, 315.540** is the 20% darker color. If you saturate the color by 10%, you get **20, 63.549, 319.803**, and if you desaturate by 10%, it is **21, 60.311, 320.042**.

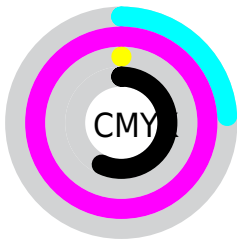
Distribution



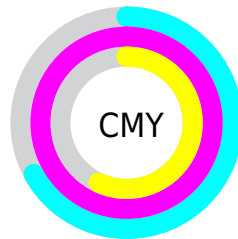
- Red (33%)
- Green (0%)
- Blue (43%)



- Red (33%)
- Yellow (0%)
- Blue (43%)



- Cyan (24%)
- Magenta (100%)
- Yellow (0%)
- Black (57%)





- Cyan (67%)
- Magenta (100%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 20, 63.634, 319.818 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, 63.634, 319.818 by changing the saturation by 10% instead.

 20, 63.634,
319.818


 20, 63.634,
319.818


 100, 63.634,
319.818


 10, 63.634,
319.818


 40, 63.634,
319.818

 0, 63.634, 319.818

 50, 63.634,
319.818

 60, 63.634,
319.818

 70, 63.634,
319.818

 80, 63.634,
319.818

 90, 63.634,

319.818

■ 20, 63.634,
319.818

■ 20, 63.634,
319.818

■ 20, 63.549,
319.803

■ 21, 60.311,
320.042

■ 23, 56.345,
320.200

■ 25, 51.050,
320.164

■ 28, 44.738,
319.978

■ 30, 37.735,
319.686

■ 33, 30.320,
319.326

■ 36, 22.711,
318.926

■ 40, 15.060,
318.509

■ 43, 7.470, 318.085

Harmonies

Complementary

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



20, 63.634, 319.818



40, 62.391, 133.637

Rectangle

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



20, 63.634, 319.818



20, 63.634, 9.818



20, 63.634, 139.818



20, 63.634, 189.818

Sweetspot

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



20, 63.549, 319.803



47, 28.185, 318.959



15, 56.583, 299.100



22, 19.111, 319.087



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



20, 63.549, 319.803



27, 76.853, 319.595



23, 51.721, 340.595



22, 4.273, 318.043



22, 67.674, 319.728



49, 115.820, 319.286

Inverse Universe

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



21, 47.812, 23.596



29, 58.408, 25.271



40, 57.610, 140.684



22, 2.781, 1.212



24, 51.095, 24.200



52, 89.477, 27.673

Previews

White Background



This preview shows how the CIELCh color 20, 63.634, 319.818 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 20, 63.634, 319.818 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

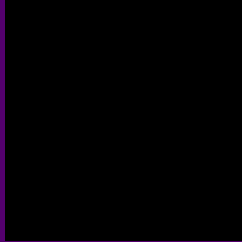
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 63.634, 319.818

Background



This preview shows how black text looks on a background with the CIELCh color 20, 63.634, 319.818.

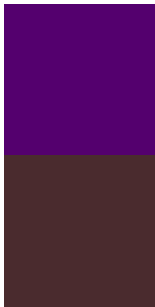


This preview shows how white text looks on a background with the CIELCh color 20, 63.634, 319.818.

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, 63.634, 319.818

Tritanopia

22, 15.397, 15.637

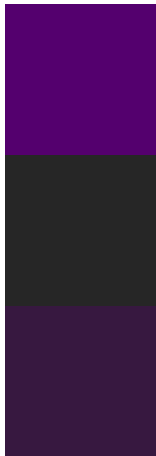
Trichromacy



Original Color
20, 63.634, 319.818

Tritanomaly
19, 33.378, 333.569

Monochromacy



Original Color
20, 63.634, 319.818

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 29.938, 320.292

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 63.634, 319.818 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(84, 0, 110)` looks like.

```
.text, #text, p{  
    color:rgb(84, 0, 110)  
}
```

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(84, 0, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 0, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 63.634, 319.818 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(84, 0, 110) }
```

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

```
.border{ border-color:rgb(84, 0, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 0, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 0, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 0, 110);  
box-shadow:4px 4px 4px 4px rgb(84, 0, 110)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 63.634, 319.818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 0, 110) }
```

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

```
.background{ background-color: rgb(84, 0,  
110) }
```

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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