

Converting Colors

CIELCh(20, 61.817, 305.991)

Have a look what the booklet for
CIELCh(20, 61.817, 305.991)
contains.

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Color

CIELCh(20, 61.574, 306.061)

Conversions

Conversions Part 1

Format	Color
Hex	321D7B
RGB	50, 29, 123
RGB Percent	20%, 11%, 48%
CMY	0.8038, 0.8862, 0.5176
CMYK	0.59, 0.76, 0.00, 0.52
HSL	253°, 62%, 30%
HSV	253°, 76%, 48%
XYZ	5.3330, 2.9891, 19.0422
YIQ	45.9950, -17.6580, 33.6860

Conversions

Conversions Part 2

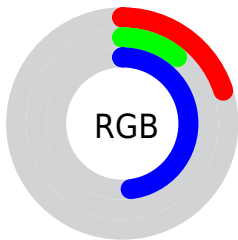
Format	Color
R_{YB}	50, 29, 123
Decimal	3284347
CIE _{Lab}	20.00, 36.25, -49.78
CIE _{LCh}	20, 61.574, 306.061
Yxy	2.9891, 0.1949, 0.1092
Android (android.graphics.Color)	4281474427 (0xFF321D7B)
YUV	45.9950, 37.9635, 3.5124
Hunter-Lab	17.2889, 24.8057, -53.2007

Details

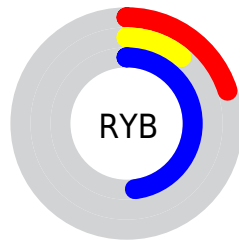
The CIELCh color **20, 61.574, 306.061** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **48, 50.386, 114.928**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 61.548, 306.141**, and **4, 51.274, 304.193** is the 20% darker color. If you saturate the color by 10%, you get **17, 68.663, 306.904**, and if you desaturate by 10%, it is **24, 53.479, 305.000**.

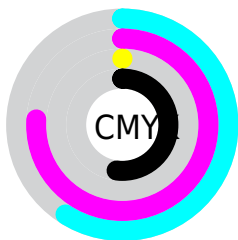
Distribution



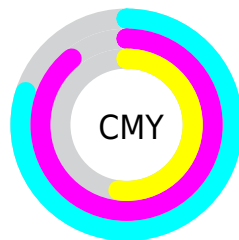
- Red (20%)
- Green (11%)
- Blue (48%)



- Red (20%)
- Yellow (11%)
- Blue (48%)



- Cyan (59%)
- Magenta (76%)
- Yellow (0%)
- Black (52%)





- Cyan (80%)
- Magenta (89%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 20, 61.574, 306.061 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, 61.574, 306.061 by changing the saturation by 10% instead.

 20, 61.574,
306.061


 20, 61.574,
306.061


 100, 61.574,
306.061


 10, 61.574,
306.061


 40, 61.574,
306.061

 0, 61.574, 306.061

 50, 61.574,
306.061

 60, 61.574,
306.061

 70, 61.574,
306.061

 80, 61.574,
306.061

 90, 61.574,

306.061

■ 20, 61.574,
306.061

■ 20, 61.574,
306.061

■ 17, 68.663,
306.904

■ 24, 53.479,
305.000

■ 14, 74.250,
307.453

■ 28, 45.000,
303.871

■ 14, 76.315,
307.736

■ 32, 36.500,
302.771

■ 36, 28.162,
301.751

■ 40, 20.069,
300.832

■ 45, 12.248,
300.017

■ 49, 4.703, 299.302

■ 53, 2.575, 118.689

■ 57, 9.598, 118.146

Harmonies

Complementary

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



20, 61.574, 306.061



48, 50.386, 114.928

Rectangle

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



20, 61.574, 306.061



20, 61.574, 356.061



20, 61.574, 126.061



20, 61.574, 176.061

Sweetspot

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



20, 61.574, 306.062



54, 21.630, 300.589



40, 23.183, 230.155



26, 15.171, 300.850



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



20, 61.574, 306.062



22, 88.610, 307.287



26, 59.767, 318.769



23, 4.132, 299.483



14, 77.186, 307.723



34, 130.661, 307.332

Inverse Universe

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



30, 51.621, 336.763



37, 68.095, 338.536



46, 57.491, 132.700



24, 4.220, 331.880



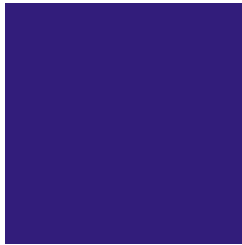
27, 57.650, 339.159



57, 96.232, 339.898

Previews

White Background



This preview shows how the CIE LCh color 20, 61.574, 306.061 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, 61.574, 306.061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

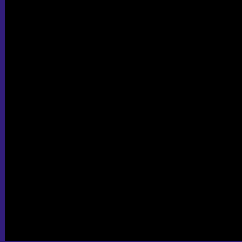
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 61.574, 306.061

Background



This preview shows how black text looks on a background with the CIELCh color 20, 61.574, 306.061.



This preview shows how white text looks on a background with the CIELCh color 20, 61.574, 306.061.

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

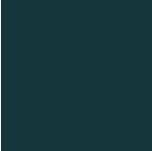
20, 61.574, 306.061

Protanopia

20, 36.351, 284.080

Deuteranopia

20, 25.462, 269.530



Tritanopia
20, 12.264, 210.232

Trichromacy



Original Color
20, 61.574, 306.061

Protanomaly
19, 46.127, 294.532

Deuteranomaly
19, 38.943, 290.868

Tritanomaly
19, 25.399, 286.718

Monochromacy



Original Color
20, 61.574, 306.061

Achromatopsia
19, 0.004, 296.813

Achromatomaly
18, 23.599, 301.874

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 61.574, 306.061 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(50, 29, 123)` looks like.

```
.text, #text, p{  
    color:rgb(50, 29, 123)  
}
```

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(50, 29, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 29, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 61.574, 306.061 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(50, 29, 123) }
```

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

```
.border{ border-color:rgb(50, 29, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 29, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 29, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 29, 123);  
box-shadow:4px 4px 4px 4px rgb(50, 29,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 20, 61.574, 306.061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 29, 123) }
```

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

```
.background{ background-color: rgb(50, 29,  
123) }
```

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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