

Converting Colors

CIELCh(20, 64.644, 319.457)

Have a look what the booklet for
CIELCh(20, 64.644, 319.457)
contains.

CIELCh(20, 64.113, 319.586)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(20, 64.113, 319.586)

Conversions

Conversions Part 1

Format	Color
Hex	54006F
RGB	84, 0, 111
RGB Percent	33%, 0%, 44%
CMY	0.6724, 1.0000, 0.5664
CMYK	0.24, 1.00, 0.00, 0.57
HSL	285°, 100%, 22%
HSV	285°, 100%, 43%
XYZ	6.4541, 2.9891, 15.1487
YIQ	37.7700, 14.4330, 52.3290

Conversions

Conversions Part 2

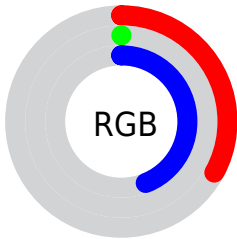
Format	Color
R_{YB}	84, 0, 111
Decimal	5505135
CIE _{Lab}	20.00, 48.81, -41.56
CIE _{LCh}	20, 64.113, 319.586
Yxy	2.9891, 0.2624, 0.1215
Android (android.graphics.Color)	4283695215 (0xFF54006F)
YUV	37.7700, 36.1024, 40.5437
Hunter-Lab	17.2889, 36.3800, -39.8482

Details

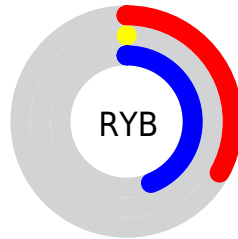
The CIELCh color **20, 64.113, 319.586** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **40, 62.619, 133.528**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 64.330, 319.609**, and **7, 43.722, 315.072** is the 20% darker color. If you saturate the color by 10%, you get **20, 63.942, 319.554**, and if you desaturate by 10%, it is **21, 60.677, 319.802**.

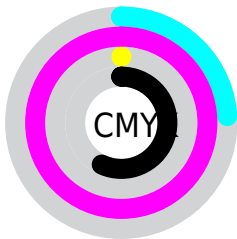
Distribution



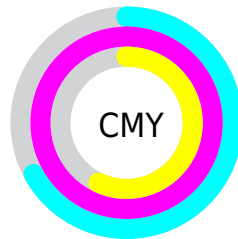
- Red (33%)
- Green (0%)
- Blue (44%)



- Red (33%)
- Yellow (0%)
- Blue (44%)



- 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, 64.113, 319.586 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, 64.113, 319.586 by changing the saturation by 10% instead.


 20, 64.113,
319.586

 20, 64.113,
319.586


 100, 64.113,
319.586

 10, 64.113,
319.586


 40, 64.113,
319.586

 0, 64.113, 319.586

 50, 64.113,
319.586

 60, 64.113,
319.586

 70, 64.113,
319.586

 80, 64.113,
319.586

 90, 64.113,

319.586

■ 20, 64.113,
319.586

■ 20, 64.113,
319.586

■ 20, 63.942,
319.554

■ 21, 60.677,
319.802

■ 23, 56.670,
319.967

■ 25, 51.326,
319.933

■ 28, 44.963,
319.748

■ 30, 37.911,
319.456

■ 33, 30.453,
319.096

■ 37, 22.805,
318.696

■ 40, 15.119,
318.279

■ 43, 7.498, 317.856

Harmonies

Complementary

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



20, 64.113, 319.586



40, 62.619, 133.528

Rectangle

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



20, 64.113, 319.586



20, 64.113, 9.586



20, 64.113, 139.586



20, 64.113, 189.586

Sweetspot

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



20, 63.942, 319.554



47, 28.138, 318.728



15, 56.913, 299.126



22, 19.080, 318.855



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, 63.942, 319.554



27, 76.944, 319.348



24, 51.973, 340.607



22, 4.264, 317.814



22, 67.751, 319.484



49, 115.965, 319.031

Inverse Universe

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



22, 47.884, 23.026



29, 58.163, 24.654



40, 57.921, 140.667



22, 2.789, 0.667



24, 50.893, 23.581



52, 89.055, 27.067

Previews

White Background



This preview shows how the CIELCh color 20, 64.113, 319.586 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, 64.113, 319.586 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, 64.113, 319.586

Background



This preview shows how black text looks on a background with the CIELCh color 20, 64.113, 319.586.



This preview shows how white text looks on a background with the CIELCh color 20, 64.113, 319.586.

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, 64.113, 319.586

Protanopia

21, 38.017, 284.265

Deuteranopia

21, 28.306, 272.638



Tritanopia
22, 15.397, 15.637

Trichromacy



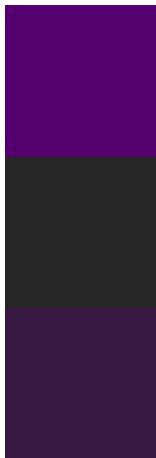
Original Color
20, 64.113, 319.586

Protanomaly
17, 51.593, 300.632

Deuteranomaly
17, 44.553, 298.806

Tritanomaly
19, 33.219, 332.879

Monochromacy



Original Color
20, 64.113, 319.586

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, 64.113, 319.586 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, 111)` looks like.

```
.text, #text, p{  
    color:rgb(84, 0, 111)  
}
```

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, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 0, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 64.113, 319.586 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, 111) }
```

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

```
.border{ border-color:rgb(84, 0, 111) }
```

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, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 0, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 0, 111);  
box-shadow:4px 4px 4px 4px rgb(84, 0, 111)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 64.113, 319.586 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, 111) }
```

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

```
.background{ background-color: rgb(84, 0,  
111) }
```

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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