

Converting Colors

CIELCh(20, 33.788, 337.957)

Have a look what the booklet for
CIELCh(20, 33.788, 337.957)
contains.

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Color

CIELCh(20, 33.453, 338.643)

Conversions

Conversions Part 1

Format	Color
Hex	531B43
RGB	83, 27, 67
RGB Percent	33%, 11%, 26%
CMY	0.6760, 0.8956, 0.7387
CMYK	0.00, 0.68, 0.19, 0.68
HSL	317°, 51%, 21%
HSV	317°, 68%, 32%
XYZ	4.9189, 2.9891, 5.5717
YIQ	48.3040, 20.5360, 24.3120

Conversions

Conversions Part 2

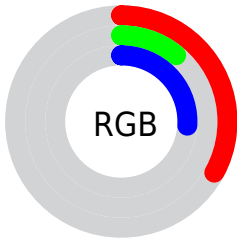
Format	Color
RYB	83, 27, 67
Decimal	5446467
CIELab	20.00, 31.16, -12.18
CIElCh	20, 33.453, 338.643
Yxy	2.9891, 0.3649, 0.2217
Android (android.graphics.Color)	4283636547 (0xFF531B43)
YUV	48.3040, 9.2171, 30.4284
Hunter-Lab	17.2889, 20.5295, -7.0054

Details

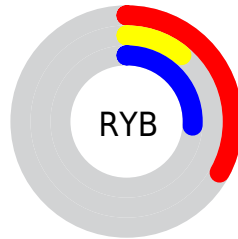
The CIELCh color **20, 33.453, 338.643** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **31, 33.673, 147.338**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **40, 33.130, 338.515**, and **5, 22.324, 344.500** is the 20% darker color. If you saturate the color by 10%, you get **19, 36.810, 339.639**, and if you desaturate by 10%, it is **22, 29.342, 337.752**.

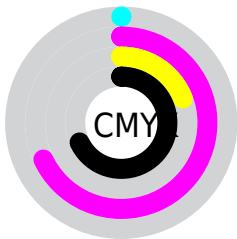
Distribution



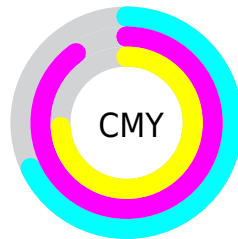
- Red (33%)
- Green (11%)
- Blue (26%)



- Red (33%)
- Yellow (11%)
- Blue (26%)



- Cyan (0%)
- Magenta (68%)
- Yellow (19%)
- Black (68%)





- Cyan (68%)
- Magenta (90%)
- Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 20, 33.453, 338.643 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, 33.453, 338.643 by changing the saturation by 10% instead.

 20, 33.453,
338.643


 20, 33.453,
338.643


 100, 33.453,
338.643


 10, 33.453,
338.643


 40, 33.453,
338.643


 0, 33.453, 338.643

 50, 33.453,
338.643

 60, 33.453,
338.643

 70, 33.453,
338.643

 80, 33.453,
338.643

 90, 33.453,

338.643

■ 20, 33.453,
338.643

■ 20, 33.453,
338.643

■ 19, 36.810,
339.639

■ 22, 29.342,
337.752

■ 17, 39.228,
340.778

■ 24, 24.692,
336.936

■ 16, 41.237,
341.953

■ 26, 19.695,
336.178

■ 16, 41.720,
342.200

■ 28, 14.510,
335.464

■ 31, 9.257, 334.787

■ 33, 4.022, 334.126

■ 36, 1.139, 153.723

■ 38, 6.192, 153.024

■ 41, 11.117,
152.469

Harmonies

Complementary

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



20, 33.453, 338.643



31, 33.673, 147.338

Rectangle

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



20, 33.453, 338.643



20, 33.453, 28.643



20, 33.453, 158.643



20, 33.453, 208.643

Sweetspot

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



20, 33.451, 338.643



39, 12.928, 334.981



15, 39.195, 306.267



18, 8.722, 335.086



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



20, 33.451, 338.643



25, 45.989, 340.304



19, 27.860, 11.948



15, 2.866, 334.189



22, 48.864, 342.772



52, 86.542, 344.110

Inverse Universe

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



20, 33.451, 338.643



25, 45.989, 340.304



31, 21.626, 175.380



15, 2.866, 334.189



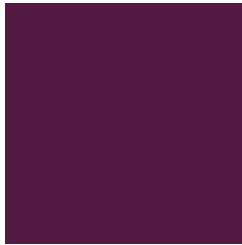
22, 48.864, 342.772



52, 86.542, 344.110

Previews

White Background



This preview shows how the CIE LCh color 20, 33.453, 338.643 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 CIE LCh color 20, 33.453, 338.643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

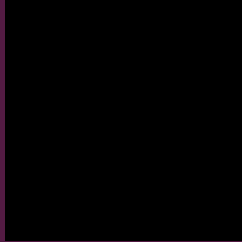
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 33.453, 338.643

Background



This preview shows how black text looks on a background with the CIELCh color 20, 33.453, 338.643.



This preview shows how white text looks on a background with the CIELCh color 20, 33.453, 338.643.

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, 33.453, 338.643

Protanopia

20, 24.571, 285.156

Deuteranopia

21, 9.511, 287.338



Tritanopia
20, 23.005, 22.158

Trichromacy



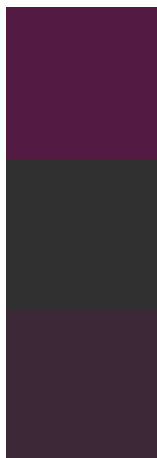
Original Color
20, 33.453, 338.643

Protanomaly
19, 26.408, 305.536

Deuteranomaly
20, 17.658, 320.999

Tritanomaly
20, 24.843, 1.802

Monochromacy



Original Color
20, 33.453, 338.643

Achromatopsia
20, 0.004, 296.813

Achromatomaly
19, 13.964, 335.834

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 33.453, 338.643 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(83, 27, 67)` looks like.

```
.text, #text, p{  
    color:rgb(83, 27, 67)  
}
```

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(83, 27, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 27, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 33.453, 338.643 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(83, 27, 67) }
```

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

```
.border{ border-color:rgb(83, 27, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 27, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 27, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 27, 67);  
box-shadow:4px 4px 4px 4px rgb(83, 27, 67)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 33.453, 338.643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 27, 67) }
```

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

```
.background{ background-color: rgb(83, 27,  
67) }
```

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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