

Converting Colors

CIELCh(20, 34.778, 317.116)

Have a look what the booklet for
CIELCh(20, 34.778, 317.116)
contains.

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Color

CIELCh(20, 34.778, 317.116)

Conversions

Conversions Part 1

Format	Color
Hex	432253
RGB	67, 34, 83
RGB Percent	26%, 13%, 33%
CMY	0.7362, 0.8657, 0.6735
CMYK	0.19, 0.59, 0.00, 0.67
HSL	280°, 42%, 23%
HSV	280°, 59%, 33%
XYZ	4.4831, 2.9891, 8.5775
YIQ	49.4530, 3.9390, 22.2350

Conversions

Conversions Part 2

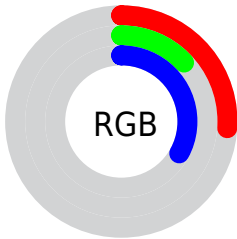
Format	Color
RYB	67, 34, 83
Decimal	4399699
CIELab	20.00, 25.48, -23.67
CIELCh	20, 34.778, 317.116
Yxy	2.9891, 0.2793, 0.1862
Android (android.graphics.Color)	4282589779 (0xFF432253)
YUV	49.4530, 16.5387, 15.3887
Hunter-Lab	17.2889, 16.0308, -17.3131

Details

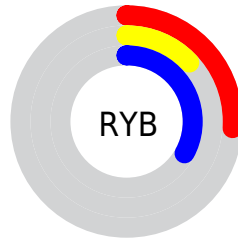
The CIELCh color **20, 34.778, 317.116** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **32, 33.303, 132.237**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **40, 34.936, 317.316**, and **3, 25.790, 315.283** is the 20% darker color. If you saturate the color by 10%, you get **18, 40.166, 317.355**, and if you desaturate by 10%, it is **22, 29.012, 316.791**.

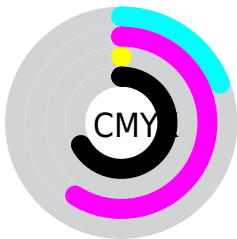
Distribution



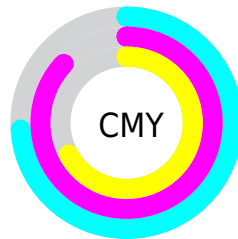
- Red (26%)
- Green (13%)
- Blue (33%)



- Red (26%)
- Yellow (13%)
- Blue (33%)



- Cyan (19%)
- Magenta (59%)
- Yellow (0%)
- Black (67%)





- Cyan (74%)
- Magenta (87%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 20, 34.778, 317.116 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, 34.778, 317.116 by changing the saturation by 10% instead.

 20, 34.778,
317.116


 20, 34.778,
317.116


 100, 34.778,
317.116


 10, 34.778,
317.116


 40, 34.778,
317.116

 0, 34.778, 317.116

 50, 34.778,
317.116

 60, 34.778,
317.116

 70, 34.778,
317.116

 80, 34.778,
317.116

 90, 34.778,

317.116

■ 20, 34.778,
317.116

■ 20, 34.778,
317.116

■ 18, 40.166,
317.355

■ 22, 29.012,
316.791

■ 16, 44.939,
317.460

■ 25, 23.055,
316.415

■ 14, 48.833,
317.379

■ 28, 17.038,
316.016

■ 13, 52.615,
317.337

■ 30, 11.049,
315.611

■ 12, 53.079,
317.346

■ 33, 5.145, 315.209

■ 36, 0.640, 134.996

■ 38, 6.288, 134.514

■ 41, 11.790,
134.181

■ 44, 17.144,
133.878

Harmonies

Complementary

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



20, 34.778, 317.116



32, 33.303, 132.237

Rectangle

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



20, 34.778, 317.116



20, 34.778, 7.116



20, 34.778, 137.116



20, 34.778, 187.116

Sweetspot

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



20, 34.777, 317.116



39, 12.970, 315.600



21, 22.382, 281.289



18, 8.922, 315.672



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, 34.777, 317.116



23, 50.520, 317.421



22, 32.470, 332.815



15, 3.186, 315.202



17, 62.289, 317.061



43, 112.165, 316.398

Inverse Universe

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



21, 24.765, 1.532



25, 35.942, 4.905



31, 32.706, 144.517



15, 2.215, 354.827



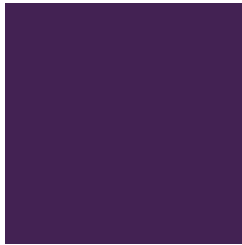
20, 44.449, 15.428



49, 81.033, 19.599

Previews

White Background



This preview shows how the CIE LCh color 20, 34.778, 317.116 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, 34.778, 317.116 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, 34.778, 317.116

Background



This preview shows how black text looks on a background with the CIELCh color 20, 34.778, 317.116.



This preview shows how white text looks on a background with the CIELCh color 20, 34.778, 317.116.

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, 34.778, 317.116

Protanopia

20, 33.473, 285.440

Deuteranopia

20, 21.620, 277.819



Tritanopia
20, 8.960, 8.459

Trichromacy



Original Color
20, 34.778, 317.116

Protanomaly
19, 33.378, 294.554

Deuteranomaly
20, 25.214, 295.068

Tritanomaly
20, 17.164, 331.431

Monochromacy



Original Color
20, 34.778, 317.116

Achromatopsia
21, 0.004, 296.813

Achromatomaly
20, 13.371, 315.745

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 34.778, 317.116 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(67, 34, 83)` looks like.

```
.text, #text, p{  
    color:rgb(67, 34, 83)  
}
```

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(67, 34, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 34, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 34.778, 317.116 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(67, 34, 83) }
```

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

```
.border{ border-color:rgb(67, 34, 83) }
```

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

Here you see how a box with a 4 pixel rgb(67, 34, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 34, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 34, 83);  
box-shadow:4px 4px 4px 4px rgb(67, 34, 83)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 34.778, 317.116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 34, 83) }
```

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

```
.background{ background-color: rgb(67, 34,  
83) }
```

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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