

Converting Colors

CIELCh(20, 27.555, 317.140)

Have a look what the booklet for
CIELCh(20, 27.555, 317.140)
contains.

CIELCh(20, 27.555, 317.140)	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, 27.555, 317.140)

Conversions

Conversions Part 1

Format	Color
Hex	40264C
RGB	64, 38, 76
RGB Percent	25%, 15%, 30%
CMY	0.7493, 0.8513, 0.7023
CMYK	0.16, 0.50, 0.00, 0.70
HSL	281°, 33%, 22%
HSV	281°, 50%, 30%
XYZ	4.1011, 2.9891, 7.1829
YIQ	50.1060, 3.2980, 17.3300

Conversions

Conversions Part 2

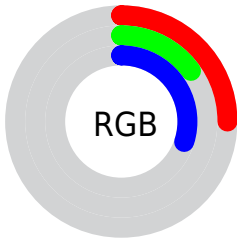
Format	Color
R_{YB}	64, 38, 76
Decimal	4204108
CIE _{Lab}	20.00, 20.20, -18.74
CIE _{LCh}	20, 27.555, 317.140
Yxy	2.9891, 0.2873, 0.2094
Android (android.graphics.Color)	4282394188 (0xFF40264C)
YUV	50.1060, 12.7657, 12.1850
Hunter-Lab	17.2889, 12.0864, -12.5306




Details

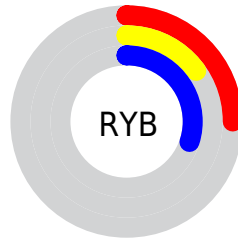
The CIELCh color **20, 27.555, 317.140** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **29, 26.594, 132.994**, and the grayscale version is **21, 0.004, 296.813**.




A 20% lighter version of the original color is **40, 27.327, 317.311**, and **3, 20.508, 314.951** is the 20% darker color. If you saturate the color by 10%, you get **18, 32.875, 317.454**, and if you desaturate by 10%, it is **22, 22.044, 316.775**.

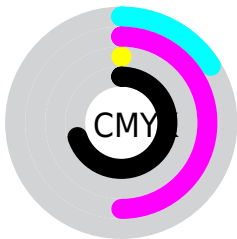
Distribution







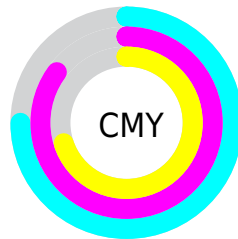
-  Red (25%)
-  Green (15%)
-  Blue (30%)






-  Red (25%)
-  Yellow (15%)
-  Blue (30%)



-  Cyan (16%)
-  Magenta (50%)
-  Yellow (0%)
-  Black (70%)





-  Cyan (75%)
-  Magenta (85%)
-  Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 20, 27.555, 317.140 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, 27.555, 317.140 by changing the saturation by 10% instead.

 20, 27.555,
317.140


 20, 27.555,
317.140


 100, 27.555,
317.140


 10, 27.555,
317.140


 40, 27.555,
317.140

 0, 27.555, 317.140

 50, 27.555,
317.140

 60, 27.555,
317.140

 70, 27.555,
317.140

 80, 27.555,
317.140

 90, 27.555,

317.140

■ 20, 27.555,
317.140

■ 20, 27.555,
317.140

■ 18, 32.875,
317.454

■ 22, 22.044,
316.775

■ 16, 37.836,
317.681

■ 25, 16.466,
316.384

■ 14, 42.222,
317.779

■ 27, 10.905,
315.986

■ 12, 45.870,
317.719

■ 30, 5.415, 315.590

■ 11, 49.722,
317.784

■ 32, 0.029, 312.180

■ 35, 5.234, 134.899

■ 37, 10.365,
134.563

■ 40, 15.360,
134.257

■ 43, 20.221,
133.979

Harmonies

Complementary

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



20, 27.555, 317.140



29, 26.594, 132.994

Rectangle

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



20, 27.555, 317.140



20, 27.555, 7.140



20, 27.555, 137.140



20, 27.555, 187.140

Sweetspot

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



20, 27.554, 317.140



37, 10.164, 315.809



21, 17.874, 280.265



18, 6.999, 315.855



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



20, 27.554, 317.140



24, 40.986, 317.514



21, 25.763, 332.861



14, 3.023, 315.535



17, 61.090, 317.404



43, 111.000, 316.733

Inverse Universe

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



21, 19.500, 0.561



25, 29.099, 2.846



29, 25.770, 146.112



14, 2.084, 355.531



20, 43.795, 16.202



49, 80.733, 20.541

Previews

White Background



This preview shows how the CIELCh color 20, 27.555, 317.140 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, 27.555, 317.140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

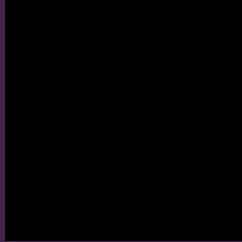
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 27.555, 317.140

Background



This preview shows how black text looks on a background with the CIELCh color 20, 27.555, 317.140.



This preview shows how white text looks on a background with the CIELCh color 20, 27.555, 317.140.

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, 27.555, 317.140

Protanopia

20, 25.298, 284.447

Deuteranopia

20, 17.301, 279.651



Tritanopia
20, 7.496, 5.461

Trichromacy



Original Color
20, 27.555, 317.140

Protanomaly
20, 25.875, 295.953

Deuteranomaly
20, 20.476, 296.890

Tritanomaly
20, 13.807, 330.751

Monochromacy



Original Color
20, 27.555, 317.140

Achromatopsia
21, 0.004, 296.813

Achromatomaly
20, 9.739, 316.288

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 27.555, 317.140 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(64, 38, 76)` looks like.

```
.text, #text, p{  
  color:rgb(64, 38, 76)  
}
```

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(64, 38, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 38, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 27.555, 317.140 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(64, 38, 76) }
```

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

```
.border{ border-color:rgb(64, 38, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 38, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 38, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 38, 76);  
box-shadow:4px 4px 4px 4px rgb(64, 38, 76)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 27.555, 317.140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 38, 76) }
```

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

```
.background{ background-color: rgb(64, 38,  
76) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor