

Converting Colors

CIELCh(20, 21.346, 258.250)

Have a look what the booklet for
CIELCh(20, 21.346, 258.250)
contains.

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Color

CIELCh(20, 21.361, 258.372)

Conversions

Conversions Part 1

Format	Color
Hex	00344F
RGB	0, 52, 79
RGB Percent	0%, 20%, 31%
CMY	1.0000, 0.7972, 0.6914
CMYK	1.00, 0.34, 0.00, 0.69
HSL	201°, 100%, 15%
HSV	201°, 100%, 31%
XYZ	2.6110, 2.9891, 7.7799
YIQ	39.5300, -39.6590, -2.6270

Conversions

Conversions Part 2

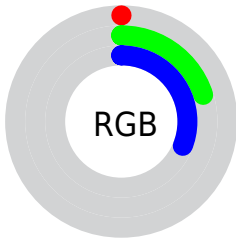
Format	Color
RYB	0, 31, 79
Decimal	13391
CIELab	20.00, -4.31, -20.92
CIELCh	20, 21.361, 258.372
Yxy	2.9891, 0.1951, 0.2234
Android (android.graphics.Color)	4278203471 (0xFF00344F)
YUV	39.5300, 19.4587, -34.6678
Hunter-Lab	17.2889, -3.2979, -14.5778

Details

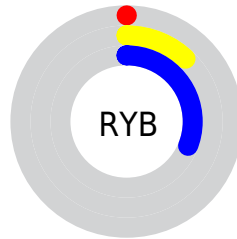
The CIELCh color **20, 21.361, 258.372** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **18, 34.919, 49.001**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 21.356, 258.210**, and **2, 19.687, 289.282** is the 20% darker color. If you saturate the color by 10%, you get **20, 21.333, 258.504**, and if you desaturate by 10%, it is **21, 19.741, 255.088**.

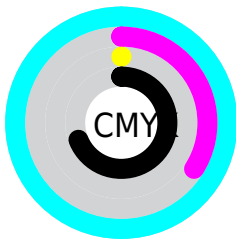
Distribution



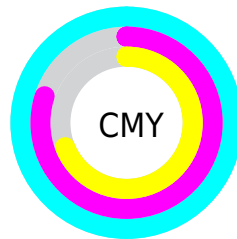
- Red (0%)
- Green (20%)
- Blue (31%)



- Red (0%)
- Yellow (12%)
- Blue (31%)



- Cyan (100%)
- Magenta (34%)
- Yellow (0%)
- Black (69%)





- Cyan (100%)
- Magenta (80%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 20, 21.361, 258.372 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, 21.361, 258.372 by changing the saturation by 10% instead.

 20, 21.361,
258.372


 20, 21.361,
258.372


 100, 21.361,
258.372


 10, 21.361,
258.372


 40, 21.361,
258.372

 0, 21.361, 258.372

 50, 21.361,
258.372

 60, 21.361,
258.372

 70, 21.361,
258.372

 80, 21.361,
258.372

 90, 21.361,

258.372

■ 20, 21.361,
258.372

■ 20, 21.361,
258.372

■ 20, 21.333,
258.504

■ 21, 19.741,
255.088

■ 22, 18.200,
251.399

■ 24, 16.509,
248.208

■ 25, 14.635,
245.529

■ 26, 12.574,
243.307

■ 28, 10.335,
241.478

■ 29, 7.936, 239.979

■ 30, 5.399, 238.759

■ 32, 2.747, 237.789

Harmonies

Complementary

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



20, 21.361, 258.372



18, 34.919, 49.001

Rectangle

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



20, 21.361, 258.372



20, 21.361, 308.372



20, 21.361, 78.372



20, 21.361, 128.372

Sweetspot

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



20, 21.333, 258.504



38, 9.811, 240.126



28, 42.111, 144.308



18, 6.576, 240.436



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, 21.333, 258.504



27, 26.016, 260.495



8, 47.688, 301.030



14, 1.501, 237.678



60, 49.108, 264.444

Inverse Universe

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



15, 39.052, 345.855



21, 46.404, 346.708



28, 37.168, 91.911



14, 2.603, 336.577



51, 82.851, 348.538

Previews

White Background



This preview shows how the CIE LCh color 20, 21.361, 258.372 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, 21.361, 258.372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

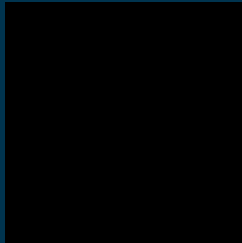
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 21.361, 258.372

Background



This preview shows how black text looks on a background with the CIELCh color 20, 21.361, 258.372.



This preview shows how white text looks on a background with the CIELCh color 20, 21.361, 258.372.

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, 21.361, 258.372

Protanopia

20, 19.140, 284.863

Deuteranopia

20, 20.869, 278.413



Tritanopia
20, 16.442, 203.764

Trichromacy



Original Color
20, 21.361, 258.372

Protanomaly
20, 20.057, 272.367

Deuteranomaly
20, 21.047, 269.715

Tritanomaly
20, 16.505, 227.118

Monochromacy



Original Color
20, 21.361, 258.372

Achromatopsia
16, 0.003, 296.813

Achromatomaly
17, 9.473, 240.063

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 21.361, 258.372 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(0, 52, 79)` looks like.

```
.text, #text, p{  
    color:rgb(0, 52, 79)  
}
```

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(0, 52, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 52, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 21.361, 258.372 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(0, 52, 79) }
```

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

```
.border{ border-color:rgb(0, 52, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 52, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 52, 79); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 52, 79); box-shadow:4px  
4px 4px 4px rgb(0, 52, 79) }
```

Background

The CSS property to change the background color of an element to CIELCh 20, 21.361, 258.372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 52, 79) }
```

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

```
.background{ background-color: rgb(0, 52,  
79) }
```

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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