

Converting Colors

CIELCh(20, 16.230, 270.948)

Have a look what the booklet for
CIELCh(20, 16.230, 270.948)
contains.

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Color

CIELCh(20, 16.541, 271.500)

Conversions

Conversions Part 1

Format	Color
Hex	1F3148
RGB	31, 49, 72
RGB Percent	12%, 19%, 28%
CMY	0.8772, 0.8067, 0.7164
CMYK	0.57, 0.32, 0.00, 0.72
HSL	214°, 40%, 20%
HSV	214°, 57%, 28%
XYZ	2.8649, 2.9891, 6.6101
YIQ	46.2400, -18.1110, 3.3370

Conversions

Conversions Part 2

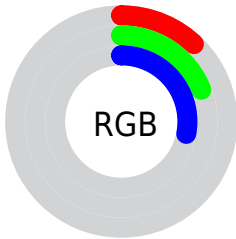
Format	Color
RYB	31, 44, 72
Decimal	2044232
CIELab	20.00, 0.43, -16.54
CIELCh	20, 16.541, 271.500
Yxy	2.9891, 0.2298, 0.2398
Android (android.graphics.Color)	4280234312 (0xFF1F3148)
YUV	46.2400, 12.6997, -13.3655
Hunter-Lab	17.2889, -0.6772, -10.5663

Details

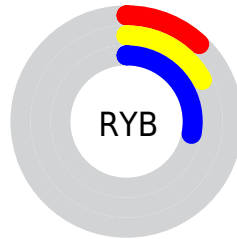
The CIELCh color **20, 16.541, 271.500** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **24, 18.078, 75.041**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **40, 16.733, 271.412**, and **1, 15.334, 288.358** is the 20% darker color. If you saturate the color by 10%, you get **18, 19.447, 274.188**, and if you desaturate by 10%, it is **22, 13.635, 269.158**.

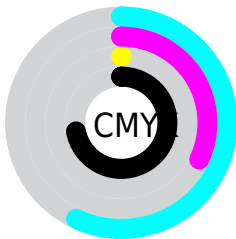
Distribution



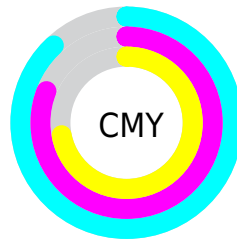
- Red (12%)
- Green (19%)
- Blue (28%)



- Red (12%)
- Yellow (17%)
- Blue (28%)



- Cyan (57%)
- Magenta (32%)
- Yellow (0%)
- Black (72%)



- Cyan (88%)
- Magenta (81%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 16.541, 271.500 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, 16.541, 271.500 by changing the saturation by 10% instead.

■ 20, 16.541,
271.500

■ 20, 16.541,
271.500

■ 100, 16.541,
271.500

■ 10, 16.541,
271.500

■ 40, 16.541,
271.500

■ 0, 16.541, 271.500

■ 50, 16.541,
271.500

■ 60, 16.541,
271.500

■ 70, 16.541,
271.500

■ 80, 16.541,
271.500

■ 90, 16.541,

271.500

■ 20, 16.541,
271.500

■ 20, 16.541,
271.500

■ 18, 19.447,
274.188

■ 22, 13.635,
269.158

■ 16, 22.370,
277.232

■ 24, 10.724,
267.132

■ 15, 25.330,
280.609

■ 26, 7.806, 265.387

■ 28, 4.883, 263.888

■ 13, 28.398,
283.747

■ 29, 1.959, 262.628

■ 13, 29.444,
284.655

■ 31, 0.960, 81.253

■ 33, 3.870, 80.382

■ 35, 6.765, 79.529

■ 37, 9.641, 78.768

Harmonies

Complementary

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



20, 16.541, 271.500



24, 18.078, 75.041

Rectangle

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



20, 16.541, 271.500



20, 16.541, 321.500



20, 16.541, 91.500



20, 16.541, 141.500

Sweetspot

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



20, 16.541, 271.500



36, 6.199, 264.024



27, 20.667, 160.967



17, 4.181, 264.144



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



20, 16.541, 271.500



24, 24.721, 275.360



14, 29.005, 298.847



13, 1.613, 262.842



19, 38.379, 286.830



45, 75.608, 290.123

Inverse Universe

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



18, 22.125, 353.062



22, 32.210, 355.510



30, 25.217, 107.750



13, 2.111, 347.711



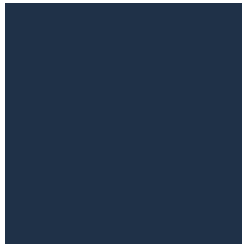
19, 42.344, 4.823



49, 77.361, 8.654

Previews

White Background



This preview shows how the CIE LCh color 20, 16.541, 271.500 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, 16.541, 271.500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

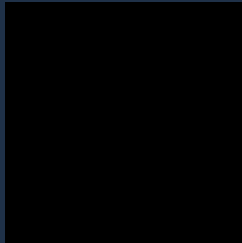
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

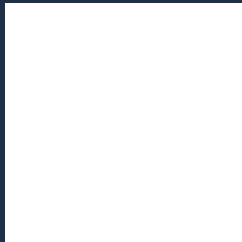
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 20, 16.541, 271.500

Background



This preview shows how black text looks on a background with the CIELCh color 20, 16.541, 271.500.



This preview shows how white text looks on a background with the CIELCh color 20, 16.541, 271.500.

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

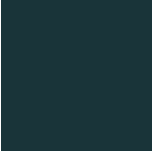
20, 16.541, 271.500

Protanopia

20, 15.754, 284.137

Deuteranopia

20, 17.286, 280.838



Tritanopia
20, 10.698, 216.375

Trichromacy



Original Color
20, 16.541, 271.500

Protanomaly
20, 15.993, 279.192

Deuteranomaly
20, 17.417, 278.740

Tritanomaly
20, 11.695, 242.993

Monochromacy



Original Color
20, 16.541, 271.500

Achromatopsia
19, 0.004, 296.813

Achromatomaly
20, 6.143, 262.359

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 16.541, 271.500 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(31, 49, 72)` looks like.

```
.text, #text, p{  
    color:rgb(31, 49, 72)  
}
```

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(31, 49, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 49, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 16.541, 271.500 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(31, 49, 72) }
```

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

```
.border{ border-color:rgb(31, 49, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 49, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 49, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 49, 72);  
box-shadow:4px 4px 4px 4px rgb(31, 49, 72)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 16.541, 271.500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 49, 72) }
```

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

```
.background{ background-color: rgb(31, 49,  
72) }
```

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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