

Converting Colors

CIELCh(20, 11.950, 287.241)

Have a look what the booklet for
CIELCh(20, 11.950, 287.241)
contains.

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Color

CIELCh(20, 12.300, 287.420)

Conversions

Conversions Part 1

Format	Color
Hex	2C2F41
RGB	44, 47, 65
RGB Percent	17%, 18%, 25%
CMY	0.8261, 0.8144, 0.7437
CMYK	0.32, 0.28, 0.00, 0.74
HSL	231°, 19%, 22%
HSV	231°, 32%, 26%
XYZ	3.0481, 2.9891, 5.4717
YIQ	48.1550, -7.5660, 4.9620

Conversions

Conversions Part 2

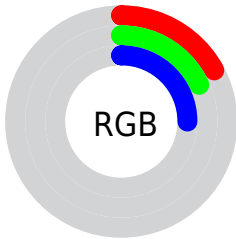
Format	Color
RYB	44, 47, 65
Decimal	2895681
CIELab	20.00, 3.68, -11.74
CIELCh	20, 12.300, 287.420
Yxy	2.9891, 0.2648, 0.2597
Android (android.graphics.Color)	4281085761 (0xFF2C2F41)
YUV	48.1550, 8.3046, -3.6439
Hunter-Lab	17.2889, 1.2147, -6.6624




Details

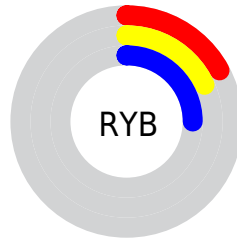
The CIELCh color **20, 12.300, 287.420** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **26, 11.760, 100.529**, and the grayscale version is **20, 0.004, 296.813**.




A 20% lighter version of the original color is **40, 12.234, 286.657**, and **1, 11.384, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **18, 16.381, 288.974**, and if you desaturate by 10%, it is **22, 8.347, 286.066**.

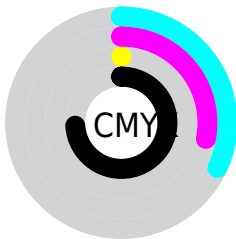
Distribution







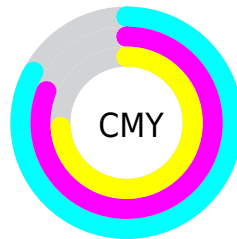
-  Red (17%)
-  Green (18%)
-  Blue (25%)






-  Red (17%)
-  Yellow (18%)
-  Blue (25%)



-  Cyan (32%)
-  Magenta (28%)
-  Yellow (0%)
-  Black (74%)



-  Cyan (83%)
-  Magenta (81%)
-  Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 12.300, 287.420 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, 12.300, 287.420 by changing the saturation by 10% instead.

■ 20, 12.300,
287.420

■ 20, 12.300,
287.420

■ 100, 12.300,
287.420

■ 10, 12.300,
287.420

■ 40, 12.300,
287.420

■ 0, 12.300, 287.420

■ 50, 12.300,
287.420

■ 60, 12.300,
287.420

■ 70, 12.300,
287.420

■ 80, 12.300,
287.420

■ 90, 12.300,

287.420

■ 20, 12.300,
287.420

■ 20, 12.300,
287.420

■ 18, 16.381,
288.974

■ 22, 8.347, 286.066

■ 15, 20.600,
290.750

■ 25, 4.514, 284.892

■ 27, 0.791, 283.924

■ 13, 24.960,
292.754

■ 30, 2.827, 102.934

■ 11, 29.451,
294.972

■ 32, 6.348, 102.158

■ 34, 9.776, 101.468

■ 8, 34.022, 297.346

■ 37, 13.116,
100.857

■ 7, 38.218, 299.180

■ 5, 40.692, 299.516

■ 39, 16.372,

100.313

■ 41, 19.547, 99.827

Harmonies

Complementary

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



20, 12.300, 287.420



26, 11.760, 100.529

Rectangle

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



20, 12.300, 287.420



20, 12.300, 337.420



20, 12.300, 107.420



20, 12.300, 157.420

Sweetspot

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



20, 12.299, 287.419



33, 4.573, 284.705



26, 9.102, 184.710



16, 3.150, 284.769



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



20, 12.299, 287.419



24, 18.656, 288.719



20, 14.734, 305.394



11, 2.081, 284.509



10, 57.978, 302.630



30, 113.248, 304.317

Inverse Universe

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



21, 10.412, 10.713



25, 15.873, 11.829



26, 13.982, 122.146



12, 1.717, 8.296



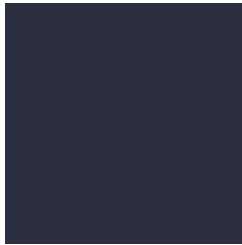
18, 45.607, 29.195



47, 88.270, 34.084

Previews

White Background



This preview shows how the CIE LCh color 20, 12.300, 287.420 looks on a white background.

Color Contrast Check

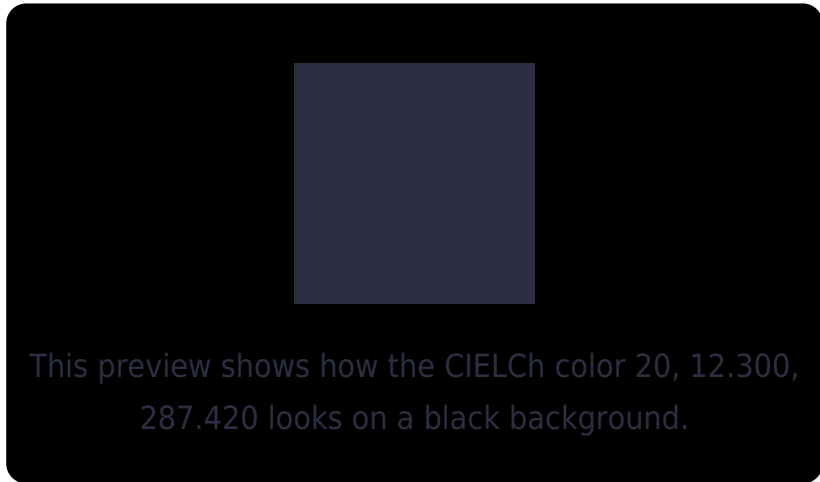
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

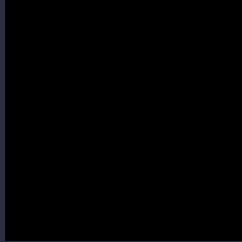
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 12.300, 287.420

Background



This preview shows how black text looks on a background with the CIELCh color 20, 12.300, 287.420.

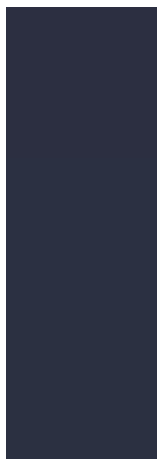


This preview shows how white text looks on a background with the CIELCh color 20, 12.300, 287.420.

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

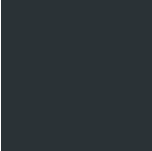
20, 12.300, 287.420

Protanopia

20, 12.342, 283.751

Deuteranopia

20, 11.678, 282.987



Tritanopia
20, 4.364, 237.604

Trichromacy



Original Color
20, 12.300, 287.420

Protanomaly
20, 12.342, 283.751

Deuteranomaly
20, 11.678, 282.987

Tritanomaly
20, 6.559, 268.727

Monochromacy



Original Color
20, 12.300, 287.420

Achromatopsia
20, 0.004, 296.813

Achromatomaly
20, 4.104, 284.912

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 12.300, 287.420 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(44, 47, 65)` looks like.

```
.text, #text, p{  
    color:rgb(44, 47, 65)  
}
```

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(44, 47, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 47, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 12.300, 287.420 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(44, 47, 65) }
```

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

```
.border{ border-color:rgb(44, 47, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 47, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 47, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 47, 65);  
box-shadow:4px 4px 4px 4px rgb(44, 47, 65)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 12.300, 287.420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 47, 65) }
```

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

```
.background{ background-color: rgb(44, 47,  
65) }
```

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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