

Converting Colors

CIELCh(11, 20.639, 308.908)

Have a look what the booklet for
CIELCh(11, 20.639, 308.908)
contains.

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Color

CIELCh(11, 20.312, 309.557)

Conversions

Conversions Part 1

Format	Color
Hex	241833
RGB	36, 24, 51
RGB Percent	14%, 9%, 20%
CMY	0.8592, 0.9062, 0.8004
CMYK	0.29, 0.53, 0.00, 0.80
HSL	267°, 36%, 15%
HSV	267°, 53%, 20%
XYZ	1.6443, 1.2610, 3.2771
YIQ	30.6660, -1.5150, 10.9410

Conversions

Conversions Part 2

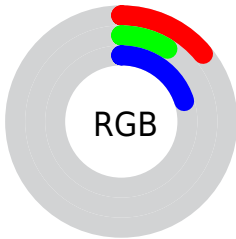
Format	Color
RYB	36, 24, 51
Decimal	2365491
CIELab	11.00, 12.94, -15.66
CIELCh	11, 20.312, 309.557
Yxy	1.2610, 0.2660, 0.2040
Android (android.graphics.Color)	4280555571 (0xFF241833)
YUV	30.6660, 10.0247, 4.6779
Hunter-Lab	11.2295, 6.4853, -9.4422

Details

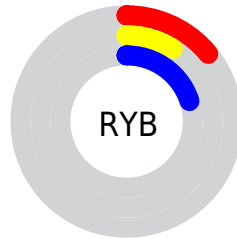
The CIELCh color **11, 20.312, 309.557** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **19, 18.867, 124.965**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **31, 20.595, 308.893**, and **0, 0.403, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **9, 24.272, 310.067**, and if you desaturate by 10%, it is **13, 16.341, 309.041**.

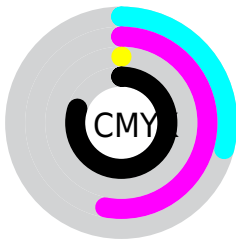
Distribution



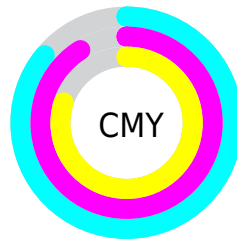
- Red (14%)
- Green (9%)
- Blue (20%)



- Red (14%)
- Yellow (9%)
- Blue (20%)



- Cyan (29%)
- Magenta (53%)
- Yellow (0%)
- Black (80%)



- Cyan (86%)
- Magenta (91%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 11, 20.312, 309.557 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 11, 20.312, 309.557 by changing the saturation by 10% instead.

■ 11, 20.312,
309.557

■ 11, 20.312,
309.557

■ 100, 20.312,
309.557

■ 1, 20.312, 309.557

■ 31, 20.312,
309.557

■ 0, 20.312, 309.557

■ 41, 20.312,
309.557


■ 51, 20.312,
309.557


■ 61, 20.312,
309.557


■ 71, 20.312,
309.557

■ 81, 20.312,


309.557

 91, 20.312,
309.557


 11, 20.312,
309.557

 11, 20.312,
309.557

 9, 24.272, 310.067

 13, 16.341,
309.041

 7, 28.086, 310.481

 15, 12.410,
308.538

 6, 31.033, 310.187

 5, 33.556, 309.566

 17, 8.550, 308.061

 4, 35.201, 309.035

 19, 4.777, 307.615

 21, 1.097, 307.182

 23, 2.485, 126.863

■ 24, 5.970, 126.521

■ 26, 9.361, 126.220

■ 28, 12.660,
125.952

Harmonies

Complementary

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



11, 20.312, 309.557



19, 18.867, 124.965

Rectangle

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



11, 20.312, 309.557



11, 20.312, 359.557



11, 20.312, 129.557



11, 20.312, 179.557

Sweetspot

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



11, 20.311, 309.557



24, 7.360, 307.782



15, 9.952, 255.418



10, 4.862, 307.790



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



11, 20.311, 309.557



13, 30.796, 310.279



13, 21.822, 324.794



8, 2.017, 307.402



10, 58.220, 311.525



33, 111.832, 310.590

Inverse Universe

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



13, 16.517, 344.977



16, 24.346, 346.597



19, 21.763, 139.528



8, 1.706, 341.250



17, 40.401, 354.039



47, 75.876, 357.248

Previews

White Background



This preview shows how the CIELCh color 11, 20.312, 309.557 looks on a white background.

Color Contrast Check

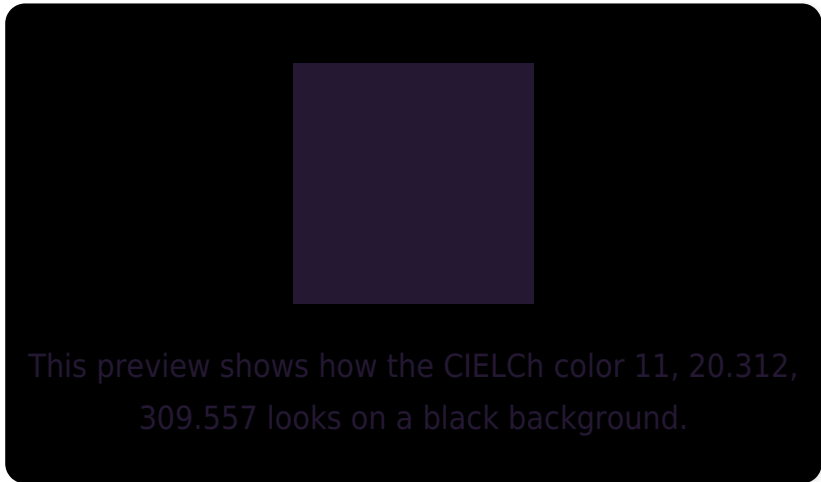
Large Text (above 18pt) WCAG AA ✓ Pass

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 11, 20.312, 309.557

Background



This preview shows how black text looks on a background with the CIELCh color 11, 20.312, 309.557.



This preview shows how white text looks on a background with the CIELCh color 11, 20.312, 309.557.

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

11, 20.312, 309.557

Protanopia

11, 19.885, 283.968

Deuteranopia

11, 15.049, 276.807



Tritanopia
11, 2.107, 336.104

Trichromacy



Original Color

11, 20.312, 309.557

Protanomaly

11, 19.749, 291.998

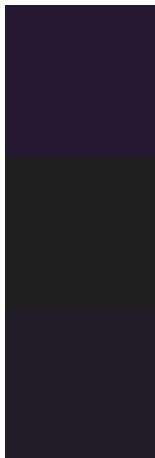
Deuteranomaly

11, 16.103, 289.669

Tritanomaly

11, 8.579, 311.656

Monochromacy



Original Color

11, 20.312, 309.557

Achromatopsia

12, 0.003, 296.813

Achromatomaly

11, 7.714, 310.027

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 11, 20.312, 309.557 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(36, 24, 51)` looks like.

```
.text, #text, p{  
    color:rgb(36, 24, 51)  
}
```

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(36, 24, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 24, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 11, 20.312, 309.557 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(36, 24, 51) }
```

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

```
.border{ border-color:rgb(36, 24, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 24, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 24, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 24, 51);  
box-shadow:4px 4px 4px 4px rgb(36, 24, 51)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 11, 20.312, 309.557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 24, 51) }
```

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

```
.background{ background-color: rgb(36, 24,  
51) }
```

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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