

Converting Colors

CIELCh(19, 11.813, 276.674)

Have a look what the booklet for
CIELCh(19, 11.813, 276.674)
contains.

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Color

CIELCh(19, 11.960, 277.693)

Conversions

Conversions Part 1

Format	Color
Hex	262E3F
RGB	38, 46, 63
RGB Percent	15%, 18%, 25%
CMY	0.8502, 0.8188, 0.7521
CMYK	0.40, 0.27, 0.00, 0.75
HSL	221°, 25%, 20%
HSV	221°, 40%, 25%
XYZ	2.6948, 2.7468, 5.1219
YIQ	45.5460, -10.2250, 3.5910

Conversions

Conversions Part 2

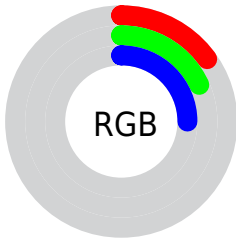
Format	Color
R_{YB}	38, 44, 63
Decimal	2502207
CIE _{Lab}	19.00, 1.60, -11.85
CIE _{LCh}	19, 11.960, 277.693
Yxy	2.7468, 0.2551, 0.2600
Android (android.graphics.Color)	4280692287 (0xFF262E3F)
YUV	45.5460, 8.6048, -6.6178
Hunter-Lab	16.5735, 0.0195, -6.7216




Details

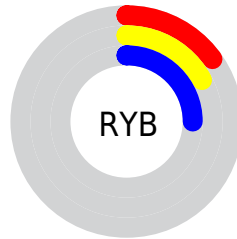
The CIELCh color **19, 11.960, 277.693** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **24, 11.974, 87.751**, and the grayscale version is **19, 0.003, 296.813**.




A 20% lighter version of the original color is **39, 11.934, 277.265**, and **1, 9.561, 288.516** is the 20% darker color. If you saturate the color by 10%, you get **17, 15.106, 279.612**, and if you desaturate by 10%, it is **21, 8.867, 276.017**.

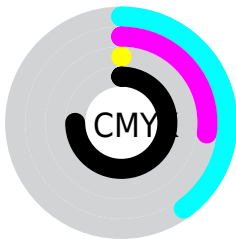
Distribution







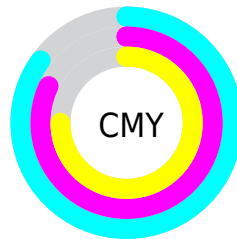
-  Red (15%)
-  Green (18%)
-  Blue (25%)






-  Red (15%)
-  Yellow (17%)
-  Blue (25%)



-  Cyan (40%)
-  Magenta (27%)
-  Yellow (0%)
-  Black (75%)



-  Cyan (85%)
-  Magenta (82%)
-  Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 11.960, 277.693 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 19, 11.960, 277.693 by changing the saturation by 10% instead.

■ 19, 11.960,
277.693

■ 19, 11.960,
277.693

■ 100, 11.960,
277.693

■ 9, 11.960, 277.693

■ 39, 11.960,
277.693

■ 0, 11.960, 277.693

■ 49, 11.960,
277.693


■ 59, 11.960,
277.693


■ 69, 11.960,
277.693


■ 79, 11.960,
277.693


■ 89, 11.960,

277.693


 99, 11.960,
277.693

 19, 11.960,
277.693


 19, 11.960,
277.693

 17, 15.106,
279.612


 21, 8.867, 276.017

 15, 18.314,
281.802


 23, 5.824, 274.560

 13, 21.594,
284.274

 25, 2.827, 273.301

 11, 24.955,
287.021

 27, 0.124, 91.320

 10, 28.408,
289.876

 29, 3.030, 91.128

 31, 5.892, 90.274

 33, 8.708, 89.508

■ 8, 31.983, 292.250

■ 35, 11.480, 88.821

■ 8, 32.140, 292.339

■ 37, 14.207, 88.204

Harmonies

Complementary

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



19, 11.960, 277.693



24, 11.974, 87.751

Rectangle

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



19, 11.960, 277.693



19, 11.960, 327.693



19, 11.960, 97.693



19, 11.960, 147.693

Sweetspot

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



19, 11.959, 277.692



32, 4.397, 273.652



25, 12.095, 170.206



15, 2.867, 273.678



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



19, 11.959, 277.692



23, 17.710, 279.498



17, 17.568, 299.877



11, 1.596, 273.166



14, 45.037, 294.866



37, 91.060, 297.765

Inverse Universe

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



19, 13.171, 358.539



23, 19.458, 359.870



26, 16.198, 114.205



10, 1.723, 355.209



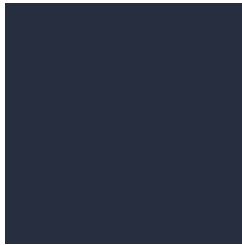
18, 41.340, 15.251



47, 78.505, 20.051

Previews

White Background



This preview shows how the CIE LCh color 19, 11.960, 277.693 looks on a white background.

Color Contrast Check

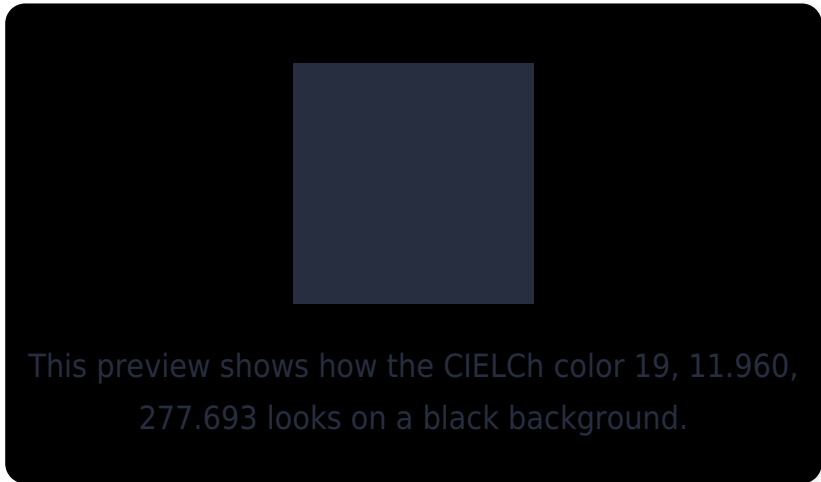
Large Text (above 18pt) WCAG AA ✓ Pass

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

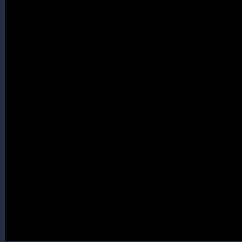
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

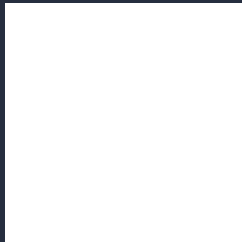
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 19, 11.960, 277.693

Background



This preview shows how black text looks on a background with the CIELCh color 19, 11.960, 277.693.

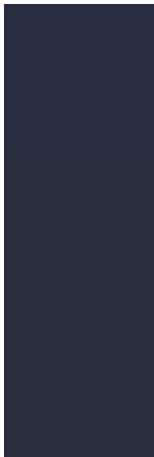


This preview shows how white text looks on a background with the CIELCh color 19, 11.960, 277.693.

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

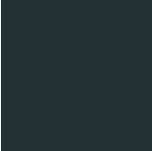
19, 11.960, 277.693

Protanopia

19, 11.750, 283.126

Deuteranopia

19, 11.750, 283.126



Tritanopia
19, 6.095, 225.378

Trichromacy



Original Color
19, 11.960, 277.693

Protanomaly
19, 11.810, 281.271

Deuteranomaly
19, 11.810, 281.271

Tritanomaly
19, 7.532, 254.412

Monochromacy



Original Color
19, 11.960, 277.693

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 4.298, 273.121

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 11.960, 277.693 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(38, 46, 63)` looks like.

```
.text, #text, p{  
    color:rgb(38, 46, 63)  
}
```

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(38, 46, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 46, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 11.960, 277.693 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(38, 46, 63) }
```

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

```
.border{ border-color:rgb(38, 46, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 46, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 46, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 46, 63);  
box-shadow:4px 4px 4px 4px rgb(38, 46, 63)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 11.960, 277.693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 46, 63) }
```

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

```
.background{ background-color: rgb(38, 46,  
63) }
```

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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