

Converting Colors

CIELCh(31, 20.688, 247.352)

Have a look what the booklet for
CIELCh(31, 20.688, 247.352)
contains.

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Color

CIELCh(31, 20.590, 246.487)

Conversions

Conversions Part 1

Format	Color
Hex	1B4E66
RGB	27, 78, 102
RGB Percent	11%, 31%, 40%
CMY	0.8938, 0.6939, 0.5998
CMYK	0.73, 0.24, 0.00, 0.60
HSL	199°, 58%, 25%
HSV	199°, 73%, 40%
XYZ	5.5838, 6.6515, 13.5757
YIQ	65.4870, -38.1000, -3.3480

Conversions

Conversions Part 2

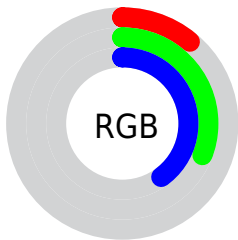
Format	Color
R_{YB}	27, 57, 102
Decimal	1789542
CIE _{Lab}	31.00, -8.21, -18.88
CIE _{LCh}	31, 20.590, 246.487
Yxy	6.6515, 0.2163, 0.2577
Android (android.graphics.Color)	4279979622 (0xFF1B4E66)
YUV	65.4870, 18.0009, -33.7531
Hunter-Lab	25.7905, -6.4873, -13.1558




Details

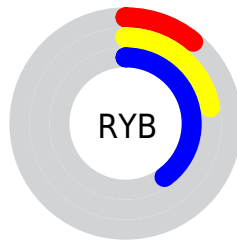
The CIELCh color **31, 20.590, 246.487** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **28, 32.502, 50.456**, and the grayscale version is **28, 0.004, 296.813**.




A 20% lighter version of the original color is **51, 20.632, 246.089**, and **12, 17.265, 261.039** is the 20% darker color. If you saturate the color by 10%, you get **30, 22.397, 250.023**, and if you desaturate by 10%, it is **32, 18.530, 243.531**.

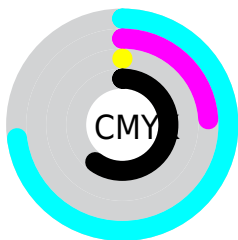
Distribution







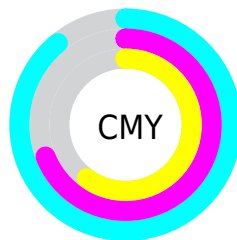
-  Red (11%)
-  Green (31%)
-  Blue (40%)






-  Red (11%)
-  Yellow (22%)
-  Blue (40%)



-  Cyan (73%)
-  Magenta (24%)
-  Yellow (0%)
-  Black (60%)



-  Cyan (89%)
-  Magenta (69%)
-  Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 20.590, 246.487 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 31, 20.590, 246.487 by changing the saturation by 10% instead.

■ 31, 20.590,
246.487

■ 31, 20.590,
246.487

■ 100, 20.590,
246.487

■ 21, 20.590,
246.487

■ 51, 20.590,
246.487

■ 11, 20.590,
246.487

■ 61, 20.590,
246.487

■ 1, 20.590, 246.487

■ 71, 20.590,
246.487

■ 0, 20.590, 246.487

■ 81, 20.590,
246.487

■ 91, 20.590,
246.487

■ 31, 20.590,
246.487

■ 31, 20.590,
246.487

■ 30, 22.397,
250.023

■ 32, 18.530,
243.531

■ 28, 24.017,
254.094

■ 34, 16.203,
241.100

■ 27, 25.110,
256.639

■ 36, 13.614,
239.120

■ 37, 10.787,
237.521

■ 39, 7.752, 236.235

■ 41, 4.542, 235.217

■ 43, 1.191, 234.560

■ 44, 2.272, 53.489

■ 46, 5.820, 53.017

Harmonies

Complementary

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



31, 20.590, 246.487



28, 32.502, 50.456

Rectangle

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



31, 20.590, 246.487



31, 20.590, 296.487



31, 20.590, 66.487



31, 20.590, 116.487

Sweetspot

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



31, 20.589, 246.487



50, 9.028, 236.140



38, 41.645, 147.353



25, 5.993, 236.344



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



31, 20.589, 246.487



38, 28.382, 252.876



19, 41.574, 294.610



20, 1.909, 234.844



31, 27.464, 257.395



64, 49.158, 260.733

Inverse Universe

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



24, 40.950, 341.260



30, 54.758, 343.625



38, 36.043, 93.226



20, 3.378, 335.652



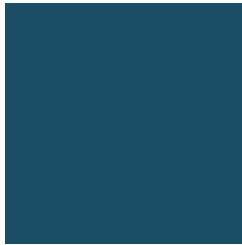
24, 50.978, 345.397



54, 87.403, 346.813

Previews

White Background



This preview shows how the CIE LCh color 31, 20.590, 246.487 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 CIE LCh color 31, 20.590, 246.487 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 31, 20.590, 246.487

Background



This preview shows how black text looks on a background with the CIELCh color 31, 20.590, 246.487.



This preview shows how white text looks on a background with the CIELCh color 31, 20.590, 246.487.

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


31, 20.590, 246.487

Protanopia

31, 16.014, 284.970

Deuteranopia

31, 19.974, 282.486



Tritanopia
31, 19.803, 208.060

Trichromacy



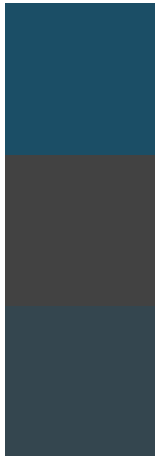
Original Color
31, 20.590, 246.487

Protanomaly
31, 17.321, 266.834

Deuteranomaly
31, 19.852, 268.661

Tritanomaly
31, 19.174, 220.926

Monochromacy



Original Color
31, 20.590, 246.487

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 8.956, 239.278

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 20.590, 246.487 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(27, 78, 102)` looks like.

```
.text, #text, p{  
    color:rgb(27, 78, 102)  
}
```

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(27, 78, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 78, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 20.590, 246.487 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(27, 78, 102) }
```

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

```
.border{ border-color:rgb(27, 78, 102) }
```

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

Here you see how a box with a 4 pixel rgb(27, 78, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 78, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 78, 102);  
box-shadow:4px 4px 4px 4px rgb(27, 78,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 20.590, 246.487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 78, 102) }
```

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

```
.background{ background-color: rgb(27, 78,  
102) }
```

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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