

Converting Colors

CIELCh(32, 19.523, 268.280)

Have a look what the booklet for
CIELCh(32, 19.523, 268.280)
contains.

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Color

CIELCh(32, 19.761, 268.323)

Conversions

Conversions Part 1

Format	Color
Hex	344D6A
RGB	52, 77, 106
RGB Percent	20%, 30%, 42%
CMY	0.7959, 0.6979, 0.5842
CMYK	0.51, 0.27, 0.00, 0.58
HSL	212°, 34%, 31%
HSV	212°, 51%, 42%
XYZ	6.6779, 7.0852, 14.6617
YIQ	72.8310, -24.2090, 3.7190

Conversions

Conversions Part 2

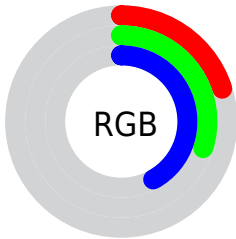
Format	Color
RYB	52, 69, 106
Decimal	3427690
CIELab	32.00, -0.58, -19.75
CIELCh	32, 19.761, 268.323
Yxy	7.0852, 0.2349, 0.2493
Android (android.graphics.Color)	4281617770 (0xFF344D6A)
YUV	72.8310, 16.3523, -18.2688
Hunter-Lab	26.6180, -1.7993, -14.0255

Details

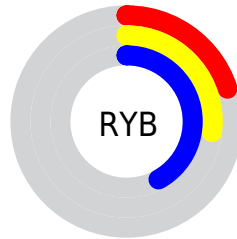
The CIELCh color **32, 19.761, 268.323** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **36, 21.962, 73.070**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 19.434, 267.662**, and **12, 20.067, 269.940** is the 20% darker color. If you saturate the color by 10%, you get **30, 23.556, 271.083**, and if you desaturate by 10%, it is **34, 15.937, 265.951**.

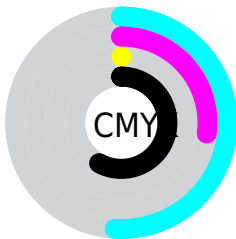
Distribution



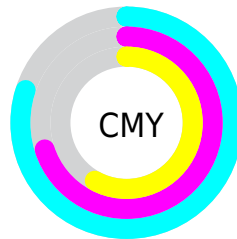
- Red (20%)
- Green (30%)
- Blue (42%)



- Red (20%)
- Yellow (27%)
- Blue (42%)



- Cyan (51%)
- Magenta (27%)
- Yellow (0%)
- Black (58%)





- Cyan (80%)
- Magenta (70%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 19.761, 268.323 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 32, 19.761, 268.323 by changing the saturation by 10% instead.


 32, 19.761,
268.323


 32, 19.761,
268.323

 100, 19.761,
268.323


 22, 19.761,
268.323

 52, 19.761,
268.323


 12, 19.761,
268.323


 62, 19.761,
268.323

 2, 19.761, 268.323

 72, 19.761,
268.323

 0, 19.761, 268.323

 82, 19.761,
268.323

 92, 19.761,
268.323

■ 32, 19.761,
268.323

■ 32, 19.761,
268.323

■ 30, 23.556,
271.083

■ 34, 15.937,
265.951

■ 27, 27.343,
274.255

■ 37, 12.081,
263.926

■ 25, 31.151,
277.827

■ 39, 8.195, 262.204

■ 23, 35.021,
281.731

■ 42, 4.288, 260.749

■ 45, 0.368, 260.011

■ 21, 38.666,
285.070

■ 47, 3.555, 78.276

■ 50, 7.470, 77.359

■ 52, 11.371, 76.541

■ 55, 15.249, 75.817

Harmonies

Complementary

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



32, 19.761, 268.323



36, 21.962, 73.070

Rectangle

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



32, 19.761, 268.323



32, 19.761, 318.323



32, 19.761, 88.323



32, 19.761, 138.323

Sweetspot

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



32, 19.760, 268.323



53, 7.289, 261.370



41, 25.997, 160.424



26, 4.934, 261.592



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



32, 19.760, 268.323



38, 29.210, 271.611



25, 35.582, 297.927



21, 2.225, 260.496



24, 42.020, 285.615



50, 76.724, 288.305

Inverse Universe

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



30, 27.682, 351.033



36, 40.270, 352.962



44, 31.223, 107.183



21, 3.028, 346.370



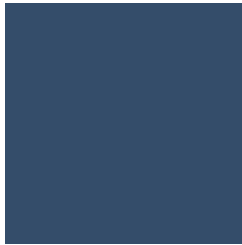
24, 47.648, 3.539



52, 81.852, 6.473

Previews

White Background



This preview shows how the CIELCh color 32, 19.761, 268.323 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 32, 19.761, 268.323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

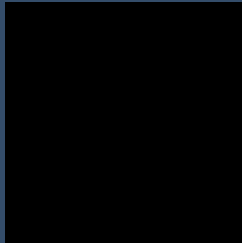
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

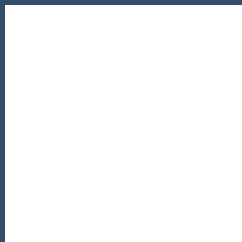
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 32, 19.761, 268.323

Background



This preview shows how black text looks on a background with the CIELCh color 32, 19.761, 268.323.

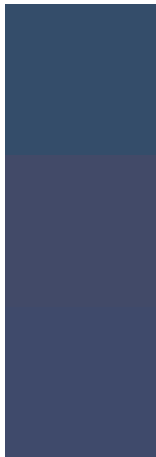


This preview shows how white text looks on a background with the CIELCh color 32, 19.761, 268.323.

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

32, 19.761, 268.323

Protanopia

32, 19.131, 284.836

Deuteranopia

32, 21.116, 283.347



Tritanopia
32, 13.169, 214.651

Trichromacy



Original Color
32, 19.761, 268.323

Protanomaly
32, 19.426, 278.854

Deuteranomaly
32, 20.763, 278.376

Tritanomaly
32, 14.017, 237.732

Monochromacy



Original Color
32, 19.761, 268.323

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 7.776, 263.833

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 19.761, 268.323 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(52, 77, 106)` looks like.

```
.text, #text, p{  
    color:rgb(52, 77, 106)  
}
```

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(52, 77, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 77, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 19.761, 268.323 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(52, 77, 106) }
```

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

```
.border{ border-color:rgb(52, 77, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 77, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 77, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 77, 106);  
box-shadow:4px 4px 4px 4px rgb(52, 77,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 19.761, 268.323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 77, 106) }
```

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

```
.background{ background-color: rgb(52, 77,  
106) }
```

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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