

Converting Colors

CIELCh(32, 19.532, 263.315)

Have a look what the booklet for
CIELCh(32, 19.532, 263.315)
contains.

CIELCh(32, 19.253, 262.193)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(32, 19.253, 262.193)

Conversions

Conversions Part 1

Format	Color
Hex	304E69
RGB	48, 78, 105
RGB Percent	19%, 31%, 41%
CMY	0.8120, 0.6944, 0.5885
CMYK	0.54, 0.26, 0.00, 0.59
HSL	208°, 37%, 30%
HSV	208°, 54%, 41%
XYZ	6.4821, 7.0852, 14.3727
YIQ	72.1080, -26.5470, 2.0370

Conversions

Conversions Part 2

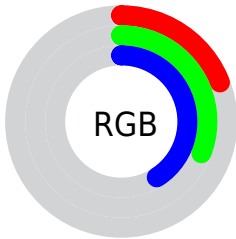
Format	Color
R_{YB}	48, 68, 105
Decimal	3165801
CIE Lab	32.00, -2.62, -19.07
CIE LCh	32, 19.253, 262.193
Yxy	7.0852, 0.2320, 0.2536
Android (android.graphics.Color)	4281355881 (0xFF304E69)
YUV	72.1080, 16.2158, -21.1427
Hunter-Lab	26.6180, -3.1127, -13.3818

Details

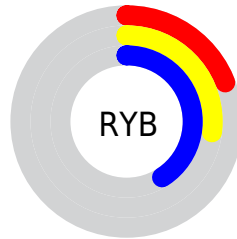
The CIELCh color **32, 19.253, 262.193** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **34, 22.941, 66.385**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 19.079, 261.478**, and **12, 18.919, 266.207** is the 20% darker color. If you saturate the color by 10%, you get **30, 22.521, 265.121**, and if you desaturate by 10%, it is **34, 15.891, 259.698**.

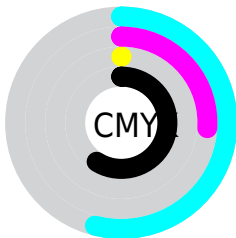
Distribution



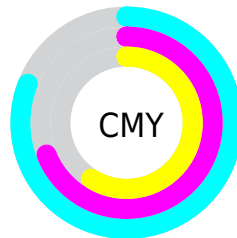
- Red (19%)
- Green (31%)
- Blue (41%)



- Red (19%)
- Yellow (27%)
- Blue (41%)



- Cyan (54%)
- Magenta (26%)
- Yellow (0%)
- Black (59%)





- Cyan (81%)
- Magenta (69%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 19.253, 262.193 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, 19.253, 262.193 by changing the saturation by 10% instead.


 32, 19.253,
262.193


 32, 19.253,
262.193

 100, 19.253,
262.193


 22, 19.253,
262.193

 52, 19.253,
262.193


 12, 19.253,
262.193


 62, 19.253,
262.193

 2, 19.253, 262.193

 72, 19.253,
262.193

 0, 19.253, 262.193

 82, 19.253,
262.193

 92, 19.253,
262.193

■ 32, 19.253,
262.193

■ 32, 19.253,
262.193

■ 30, 22.521,
265.121

■ 34, 15.891,
259.698

■ 28, 25.715,
268.511

■ 36, 12.434,
257.588

■ 26, 28.870,
272.351

■ 39, 8.891, 255.811

■ 24, 32.050,
276.493

■ 41, 5.276, 254.322

■ 43, 1.604, 253.148

■ 23, 33.932,
278.647

■ 46, 2.109, 71.791

■ 48, 5.849, 70.931

■ 50, 9.602, 70.140

■ 53, 13.358, 69.447

Harmonies

Complementary

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



32, 19.253, 262.193



34, 22.941, 66.385

Rectangle

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



32, 19.253, 262.193



32, 19.253, 312.193



32, 19.253, 82.193



32, 19.253, 132.193

Sweetspot

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



32, 19.252, 262.193



52, 7.246, 254.614



40, 28.933, 156.555



26, 4.925, 254.823



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, 19.252, 262.193



38, 27.933, 265.906



23, 36.511, 296.508



21, 2.114, 253.640



26, 37.153, 279.302



54, 67.522, 282.239

Inverse Universe

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



29, 30.103, 347.576



34, 43.004, 349.474



43, 31.906, 103.795



21, 3.160, 342.892



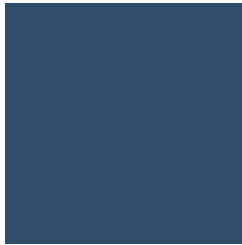
24, 48.241, 357.807



53, 82.445, 0.295

Previews

White Background



This preview shows how the CIE LCh color 32, 19.253, 262.193 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, 19.253, 262.193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

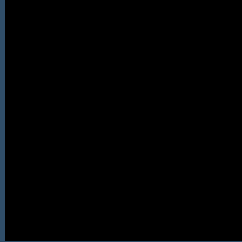
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

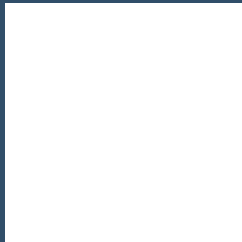
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 32, 19.253, 262.193

Background



This preview shows how black text looks on a background with the CIELCh color 32, 19.253, 262.193.

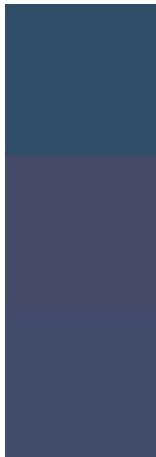


This preview shows how white text looks on a background with the CIELCh color 32, 19.253, 262.193.

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

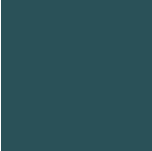
32, 19.253, 262.193

Protanopia

32, 17.850, 285.035

Deuteranopia

32, 20.454, 283.784



Tritanopia
32, 14.335, 215.810

Trichromacy



Original Color
32, 19.253, 262.193

Protanomaly
32, 18.306, 276.461

Deuteranomaly
32, 20.241, 276.838

Tritanomaly
32, 14.902, 234.884

Monochromacy



Original Color
32, 19.253, 262.193

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 7.623, 256.102

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 19.253, 262.193 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(48, 78, 105)` looks like.

```
.text, #text, p{  
    color:rgb(48, 78, 105)  
}
```

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(48, 78, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 78, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 19.253, 262.193 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(48, 78, 105) }
```

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

```
.border{ border-color:rgb(48, 78, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 78, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 78, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 78, 105);  
box-shadow:4px 4px 4px 4px rgb(48, 78,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 19.253, 262.193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 78, 105) }
```

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

```
.background{ background-color: rgb(48, 78,  
105) }
```

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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