

Converting Colors

CIELCh(32, 19.617, 304.302)

Have a look what the booklet for
CIELCh(32, 19.617, 304.302)
contains.

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Color

CIELCh(32, 20.138, 304.504)

Conversions

Conversions Part 1

Format	Color
Hex	504665
RGB	80, 70, 101
RGB Percent	31%, 27%, 40%
CMY	0.6850, 0.7243, 0.6026
CMYK	0.21, 0.31, 0.00, 0.60
HSL	259°, 18%, 34%
HSV	259°, 31%, 40%
XYZ	7.9107, 7.0852, 13.3483
YIQ	76.5240, -3.9910, 11.7610

Conversions

Conversions Part 2

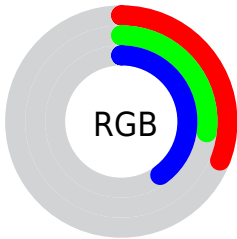
Format	Color
R_{YB}	80, 70, 101
Decimal	5260901
CIE _{Lab}	32.00, 11.41, -16.60
CIE _{LCh}	32, 20.138, 304.504
Yxy	7.0852, 0.2791, 0.2500
Android (android.graphics.Color)	4283450981 (0xFF504665)
YUV	76.5240, 12.0667, 3.0485
Hunter-Lab	26.6180, 6.4675, -11.1001

Details

The CIELCh color **32, 20.138, 304.504** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **41, 19.051, 121.045**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 20.364, 305.055**, and **12, 19.861, 304.781** is the 20% darker color. If you saturate the color by 10%, you get **28, 27.115, 305.246**, and if you desaturate by 10%, it is **36, 13.346, 303.826**.

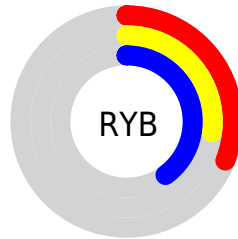
Distribution



Red (31%)

Green (27%)

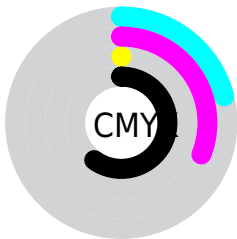
Blue (40%)



Red (31%)

Yellow (27%)

Blue (40%)

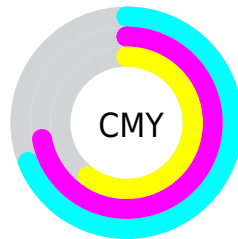


Cyan (21%)

Magenta (31%)

Yellow (0%)

Black (60%)



Cyan (69%)


Magenta (72%)


Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 20.138, 304.504 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, 20.138, 304.504 by changing the saturation by 10% instead.


 32, 20.138,
304.504


 32, 20.138,
304.504

 100, 20.138,
304.504


 22, 20.138,
304.504

 52, 20.138,
304.504


 12, 20.138,
304.504


 62, 20.138,
304.504

 2, 20.138, 304.504

 72, 20.138,
304.504

 0, 20.138, 304.504

 82, 20.138,
304.504

 92, 20.138,
304.504

■ 32, 20.138,
304.504

■ 32, 20.138,
304.504

■ 28, 27.115,
305.246

■ 36, 13.346,
303.826

■ 25, 34.227,
306.039

■ 39, 6.762, 303.217

■ 22, 41.368,
306.853

■ 43, 0.389, 302.594

■ 46, 5.776, 122.215

■ 18, 48.338,
307.632

■ 50, 11.742,
121.796

■ 16, 54.794,
308.284

■ 53, 17.517,
121.433

■ 13, 60.236,
308.683

■ 57, 23.113,
121.117

■ 11, 65.244,
309.190

■ 60, 28.539,
120.843

■ 64, 33.806,
120.607

Harmonies

Complementary

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



32, 20.138, 304.504



41, 19.051, 121.045

Rectangle

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



32, 20.138, 304.504



32, 20.138, 354.504



32, 20.138, 124.504



32, 20.138, 174.504

Sweetspot

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



32, 20.137, 304.504



51, 7.138, 303.140



38, 9.876, 236.647



25, 4.928, 303.201



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



32, 20.137, 304.504



39, 30.701, 305.053



34, 21.969, 320.590



19, 3.587, 303.120



13, 71.372, 309.046



34, 124.669, 308.474

Inverse Universe

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



34, 18.456, 337.340



42, 27.760, 337.934



40, 21.712, 137.777



20, 3.372, 335.761



24, 50.899, 345.583



54, 87.267, 347.017

Previews

White Background



This preview shows how the CIE LCh color 32, 20.138, 304.504 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 CIELCh color 32, 20.138, 304.504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

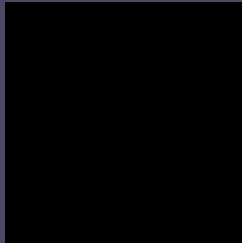
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 20.138, 304.504

Background



This preview shows how black text looks on a background with the CIELCh color 32, 20.138, 304.504.

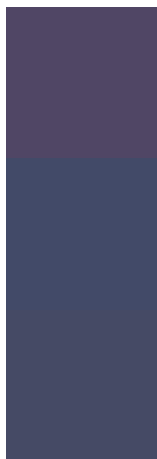


This preview shows how white text looks on a background with the CIELCh color 32, 20.138, 304.504.

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, 20.138, 304.504

Protanopia

32, 19.131, 284.836

Deuteranopia

32, 17.156, 286.961



Tritanopia
32, 4.035, 309.354

Trichromacy



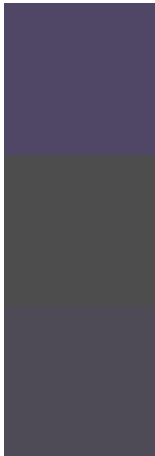
Original Color
32, 20.138, 304.504

Protanomaly
32, 19.022, 291.262

Deuteranomaly
32, 17.760, 293.262

Tritanomaly
32, 9.776, 303.961

Monochromacy



Original Color
32, 20.138, 304.504

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 7.093, 301.512

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 20.138, 304.504 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(80, 70, 101)` looks like.

```
.text, #text, p{  
    color:rgb(80, 70, 101)  
}
```

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(80, 70, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 70, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 20.138, 304.504 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(80, 70, 101) }
```

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

```
.border{ border-color:rgb(80, 70, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 70, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 70, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 70, 101);  
box-shadow:4px 4px 4px 4px rgb(80, 70,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 20.138, 304.504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 70, 101) }
```

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

```
.background{ background-color: rgb(80, 70,  
101) }
```

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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