

Converting Colors

CIELCh(32, 16.167, 226.870)

Have a look what the booklet for
CIELCh(32, 16.167, 226.870)
contains.

CIELCh(32, 16.171, 225.974)	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, 16.171, 225.974)

Conversions

Conversions Part 1

Format	Color
Hex	25515D
RGB	37, 81, 93
RGB Percent	15%, 32%, 36%
CMY	0.8545, 0.6820, 0.6349
CMYK	0.60, 0.13, 0.00, 0.63
HSL	193°, 43%, 26%
HSV	193°, 60%, 37%
XYZ	5.6954, 7.0852, 11.4444
YIQ	69.2120, -30.0760, -5.5960

Conversions

Conversions Part 2

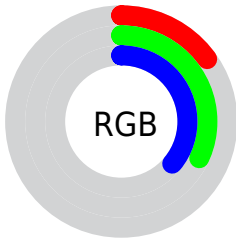
Format	Color
R_{YB}	37, 62, 93
Decimal	2445661
CIE _{Lab}	32.00, -11.24, -11.63
CIE _{LCh}	32, 16.171, 225.974
Yxy	7.0852, 0.2351, 0.2925
Android (android.graphics.Color)	4280635741 (0xFF25515D)
YUV	69.2120, 11.7275, -28.2499
Hunter-Lab	26.6180, -8.3884, -6.8591

Details

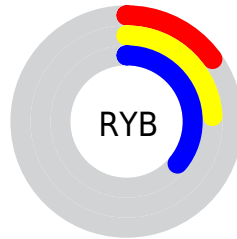
The CIELCh color **32, 16.171, 225.974** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **26, 24.771, 41.383**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 15.990, 226.560**, and **12, 13.372, 234.242** is the 20% darker color. If you saturate the color by 10%, you get **31, 17.851, 227.782**, and if you desaturate by 10%, it is **33, 14.145, 224.551**.

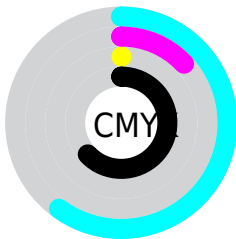
Distribution



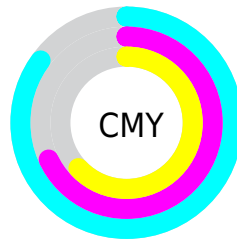
- Red (15%)
- Green (32%)
- Blue (36%)



- Red (15%)
- Yellow (24%)
- Blue (36%)



- Cyan (60%)
- Magenta (13%)
- Yellow (0%)
- Black (63%)





- Cyan (85%)
- Magenta (68%)
- Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 16.171, 225.974 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, 16.171, 225.974 by changing the saturation by 10% instead.


 32, 16.171,
225.974


 32, 16.171,
225.974

 100, 16.171,
225.974


 22, 16.171,
225.974

 52, 16.171,
225.974


 12, 16.171,
225.974


 62, 16.171,
225.974

 2, 16.171, 225.974

 72, 16.171,
225.974

 0, 16.171, 225.974

 82, 16.171,
225.974

 92, 16.171,
225.974

■ 32, 16.171,
225.974

■ 32, 16.171,
225.974

■ 31, 17.851,
227.782

■ 33, 14.145,
224.551

■ 30, 19.174,
230.049

■ 34, 11.802,
223.451

■ 29, 20.154,
232.836

■ 35, 9.180, 222.615

■ 28, 21.036,
235.657

■ 37, 6.321, 221.998

■ 38, 3.264, 221.579

■ 40, 0.049, 227.468

■ 41, 3.291, 40.836

■ 42, 6.726, 40.743

■ 44, 10.232, 40.683

Harmonies

Complementary

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



32, 16.171, 225.974



26, 24.771, 41.383

Rectangle

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



32, 16.171, 225.974



32, 16.171, 275.974



32, 16.171, 45.974



32, 16.171, 95.974

Sweetspot

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



32, 16.171, 225.973



47, 6.984, 221.917



35, 35.637, 145.302



24, 4.864, 222.021



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



32, 16.171, 225.973



40, 22.025, 228.635



23, 26.335, 284.202



18, 1.787, 221.542



34, 23.650, 236.538



70, 42.039, 239.414

Inverse Universe

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



25, 35.038, 334.881



30, 49.056, 335.939



33, 25.687, 86.382



17, 3.333, 331.513



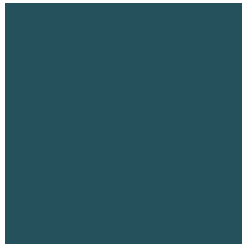
24, 52.969, 338.429



54, 92.459, 339.256

Previews

White Background



This preview shows how the CIE LCh color 32, 16.171, 225.974 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, 16.171, 225.974 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

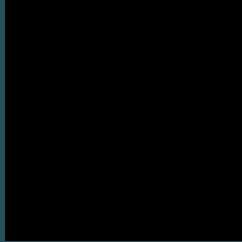
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

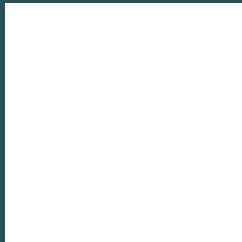
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 32, 16.171, 225.974

Background



This preview shows how black text looks on a background with the CIELCh color 32, 16.171, 225.974.



This preview shows how white text looks on a background with the CIELCh color 32, 16.171, 225.974.

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

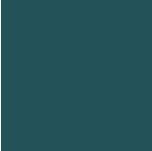
32, 16.171, 225.974

Protanopia

32, 9.537, 287.048

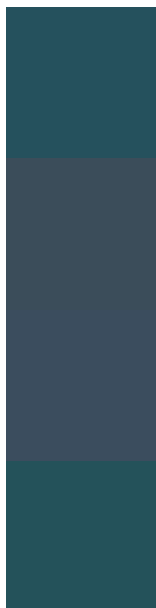
Deuteranopia

32, 13.320, 289.179



Tritanopia
32, 16.260, 210.969

Trichromacy



Original Color
32, 16.171, 225.974

Protanomaly
32, 10.506, 250.866

Deuteranomaly
32, 12.439, 259.464

Tritanomaly
32, 16.123, 215.917

Monochromacy



Original Color
32, 16.171, 225.974

Achromatopsia
29, 0.005, 296.813

Achromatomaly
30, 7.112, 225.482

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 16.171, 225.974 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(37, 81, 93)` looks like.

```
.text, #text, p{  
    color:rgb(37, 81, 93)  
}
```

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(37, 81, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 81, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 16.171, 225.974 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(37, 81, 93) }
```

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

```
.border{ border-color:rgb(37, 81, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 81, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 81, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 81, 93);  
box-shadow:4px 4px 4px 4px rgb(37, 81, 93)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 16.171, 225.974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 81, 93) }
```

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

```
.background{ background-color: rgb(37, 81,  
93) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor