

Converting Colors

CIELCh(32, 21.199, 230.255)

Have a look what the booklet for
CIELCh(32, 21.199, 230.255)
contains.

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Color

CIELCh(32, 21.107, 230.431)

Conversions

Conversions Part 1

Format	Color
Hex	0C5264
RGB	12, 82, 100
RGB Percent	5%, 32%, 39%
CMY	0.9542, 0.6772, 0.6065
CMYK	0.88, 0.18, 0.00, 0.61
HSL	192°, 79%, 22%
HSV	192°, 88%, 39%
XYZ	5.5048, 7.0852, 13.2178
YIQ	63.1220, -47.4980, -9.2420

Conversions

Conversions Part 2

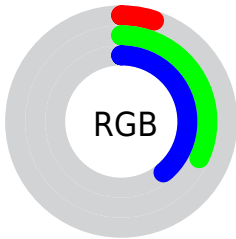
Format	Color
RYB	12, 51, 100
Decimal	807524
CIELab	32.00, -13.45, -16.27
CIELCh	32, 21.107, 230.431
Yxy	7.0852, 0.2133, 0.2745
Android (android.graphics.Color)	4278997604 (0xFF0C5264)
YUV	63.1220, 18.1809, -44.8340
Hunter-Lab	26.6180, -9.6661, -10.8093

Details

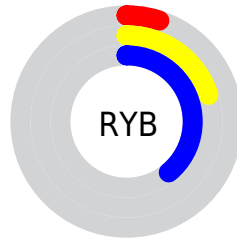
The CIELCh color **32, 21.107, 230.431** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **23, 41.876, 42.490**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 20.977, 229.909**, and **13, 15.169, 247.653** is the 20% darker color. If you saturate the color by 10%, you get **31, 21.938, 233.318**, and if you desaturate by 10%, it is **33, 20.070, 227.822**.

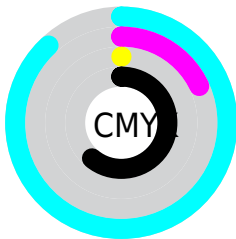
Distribution



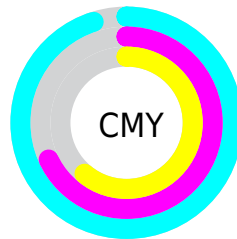
- Red (5%)
- Green (32%)
- Blue (39%)



- Red (5%)
- Yellow (20%)
- Blue (39%)



- Cyan (88%)
- Magenta (18%)
- Yellow (0%)
- Black (61%)





- Cyan (95%)
- Magenta (68%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 21.107, 230.431 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, 21.107, 230.431 by changing the saturation by 10% instead.


 32, 21.107,
230.431


 32, 21.107,
230.431

 100, 21.107,
230.431


 22, 21.107,
230.431

 52, 21.107,
230.431


 12, 21.107,
230.431


 62, 21.107,
230.431

 2, 21.107, 230.431

 72, 21.107,
230.431

 0, 21.107, 230.431

 82, 21.107,
230.431

 92, 21.107,
230.431

■ 32, 21.107,
230.431

■ 32, 21.107,
230.431

■ 31, 21.938,
233.318

■ 33, 20.070,
227.822

■ 31, 22.082,
233.774

■ 34, 18.649,
225.721

■ 35, 16.834,
224.059

■ 36, 14.642,
222.767

■ 37, 12.106,
221.780

■ 39, 9.271, 221.043

■ 40, 6.182, 220.513

■ 41, 2.884, 220.185

Harmonies

Complementary

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



32, 21.107, 230.431



23, 41.876, 42.490

Rectangle

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



32, 21.107, 230.431



32, 21.107, 280.431



32, 21.107, 50.431



32, 21.107, 100.431

Sweetspot

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



32, 21.106, 230.431



50, 10.949, 221.007



37, 51.361, 141.164



25, 7.379, 221.156



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, 21.106, 230.431



40, 26.626, 234.982



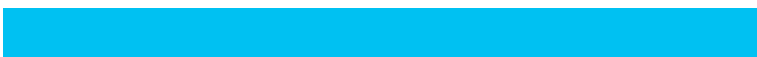
17, 42.627, 292.791



20, 1.963, 220.197



36, 24.312, 234.430



73, 42.413, 237.012

Inverse Universe

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



22, 48.005, 336.646



29, 60.168, 337.994



33, 38.308, 82.163



20, 3.672, 331.127



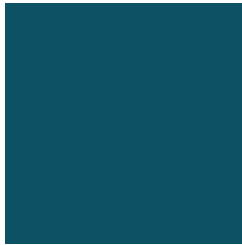
25, 55.104, 337.841



55, 94.725, 338.563

Previews

White Background



This preview shows how the CIELCh color 32, 21.107, 230.431 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, 21.107, 230.431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

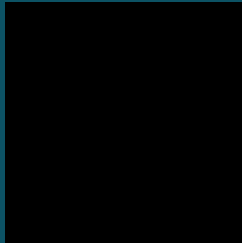
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 21.107, 230.431

Background



This preview shows how black text looks on a background with the CIELCh color 32, 21.107, 230.431.



This preview shows how white text looks on a background with the CIELCh color 32, 21.107, 230.431.

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, 21.028, 230.579

Protanopia

32, 13.370, 285.910

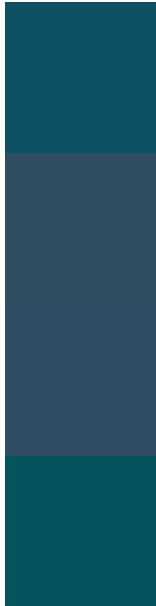
Deuteranopia

32, 17.850, 285.035



Tritanopia
32, 21.626, 206.870

Trichromacy



Original Color
32, 21.028, 230.579

Protanomaly
31, 15.595, 253.714

Deuteranomaly
31, 17.784, 258.341

Tritanomaly
32, 21.018, 216.503

Monochromacy



Original Color
32, 21.028, 230.579

Achromatopsia
27, 0.004, 296.813

Achromatomaly
28, 10.709, 223.294

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 21.107, 230.431 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(12, 82, 100)` looks like.

```
.text, #text, p{  
    color:rgb(12, 82, 100)  
}
```

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(12, 82, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 82, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 21.107, 230.431 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(12, 82, 100) }
```

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

```
.border{ border-color:rgb(12, 82, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 82, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 82, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 82, 100);  
box-shadow:4px 4px 4px 4px rgb(12, 82,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 21.107, 230.431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 82, 100) }
```

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

```
.background{ background-color: rgb(12, 82,  
100) }
```

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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