

Converting Colors

CIELCh(33, 21.156, 223.057)

Have a look what the booklet for
CIELCh(33, 21.156, 223.057)
contains.

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Color

CIELCh(33, 21.131, 224.046)

Conversions

Conversions Part 1

Format	Color
Hex	0C5564
RGB	12, 85, 100
RGB Percent	5%, 33%, 39%
CMY	0.9547, 0.6657, 0.6068
CMYK	0.88, 0.15, 0.00, 0.61
HSL	190°, 79%, 22%
HSV	190°, 88%, 39%
XYZ	5.7269, 7.5373, 13.2758
YIQ	64.8830, -48.3230, -10.8110

Conversions

Conversions Part 2

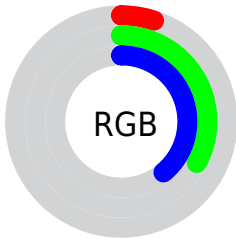
Format	Color
R_{YB}	12, 52, 100
Decimal	808292
CIE _{Lab}	33.00, -15.19, -14.69
CIE _{LCh}	33, 21.131, 224.046
Yxy	7.5373, 0.2158, 0.2840
Android (android.graphics.Color)	4278998372 (0xFF0C5564)
YUV	64.8830, 17.3127, -46.3784
Hunter-Lab	27.4541, -10.8098, -9.4526

Details

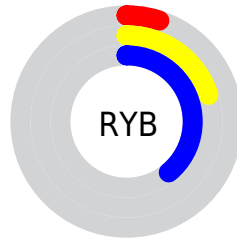
The CIELCh color **33, 21.131, 224.046** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **22, 42.583, 40.692**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 21.089, 224.036**, and **14, 14.523, 237.455** is the 20% darker color. If you saturate the color by 10%, you get **32, 21.838, 226.408**, and if you desaturate by 10%, it is **34, 20.191, 221.928**.

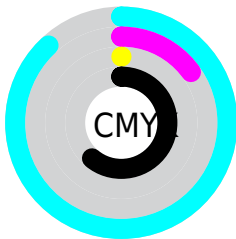
Distribution



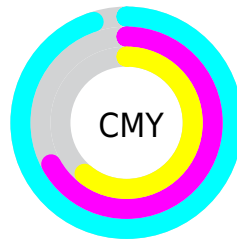
- Red (5%)
- Green (33%)
- Blue (39%)



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



- Cyan (88%)
- Magenta (15%)
- Yellow (0%)
- Black (61%)





- Cyan (95%)
- Magenta (67%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 21.131, 224.046 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 33, 21.131, 224.046 by changing the saturation by 10% instead.


 33, 21.131,
224.046


 33, 21.131,
224.046

 100, 21.131,
224.046


 23, 21.131,
224.046

 53, 21.131,
224.046


 13, 21.131,
224.046


 63, 21.131,
224.046

 3, 21.131, 224.046

 73, 21.131,
224.046

 0, 21.131, 224.046

 83, 21.131,
224.046

 93, 21.131,
224.046

■ 33, 21.131,
224.046

■ 33, 21.131,
224.046

■ 32, 21.838,
226.408

■ 34, 20.191,
221.928

■ 32, 21.952,
226.756

■ 35, 18.834,
220.244

■ 36, 17.055,
218.934

■ 37, 14.875,
217.939

■ 38, 12.330,
217.204

■ 39, 9.466, 216.683

■ 40, 6.334, 216.341

■ 41, 2.981, 216.177



Harmonies

Complementary

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



33, 21.131, 224.046



22, 42.583, 40.692

Rectangle

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



33, 21.131, 224.046



33, 21.131, 274.046



33, 21.131, 44.046



33, 21.131, 94.046

Sweetspot

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



33, 21.130, 224.045



50, 11.144, 216.654



37, 52.465, 140.256



25, 7.508, 216.755



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



33, 21.130, 224.045



42, 26.419, 227.761



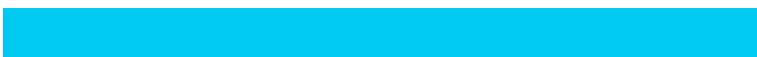
18, 40.498, 290.762



20, 2.002, 216.179



37, 24.149, 227.303



75, 41.902, 229.454

Inverse Universe

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



22, 49.144, 334.977



29, 61.686, 336.060



32, 37.904, 79.262



20, 3.762, 329.949



25, 56.478, 335.941



55, 97.211, 336.502

Previews

White Background



This preview shows how the CIELCh color 33, 21.131, 224.046 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 33, 21.131, 224.046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

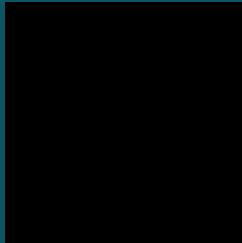
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

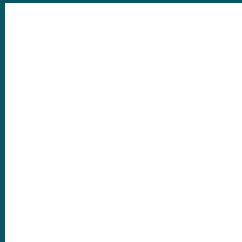
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 33, 21.131, 224.046

Background



This preview shows how black text looks on a background with the CIELCh color 33, 21.131, 224.046.



This preview shows how white text looks on a background with the CIELCh color 33, 21.131, 224.046.

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

33, 21.049, 224.168

Protanopia

33, 10.755, 285.722

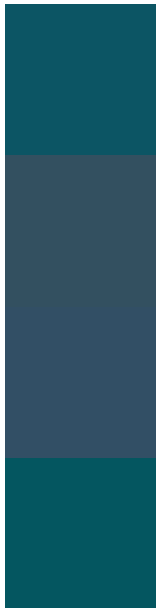
Deuteranopia

33, 16.431, 287.769



Tritanopia
33, 21.928, 208.419

Trichromacy



Original Color
33, 21.049, 224.168

Protanomaly
32, 14.066, 244.766

Deuteranomaly
32, 16.650, 255.926

Tritanomaly
33, 21.526, 214.063

Monochromacy



Original Color
33, 21.049, 224.168

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 10.533, 219.744

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 21.131, 224.046 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, 85, 100)` looks like.

```
.text, #text, p{  
    color:rgb(12, 85, 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, 85, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 85, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 21.131, 224.046 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, 85, 100) }
```

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

```
.border{ border-color:rgb(12, 85, 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, 85, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 85, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 85, 100);  
box-shadow:4px 4px 4px 4px rgb(12, 85,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 21.131, 224.046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 85, 100) }
```

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

```
.background{ background-color: rgb(12, 85,  
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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