

Converting Colors

CIELCh(32, 33.738, 273.212)

Have a look what the booklet for
CIELCh(32, 33.738, 273.212)
contains.

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Color

CIELCh(32, 33.802, 273.331)

Conversions

Conversions Part 1

Format	Color
Hex	164D80
RGB	22, 77, 128
RGB Percent	9%, 30%, 50%
CMY	0.9119, 0.6970, 0.4969
CMYK	0.82, 0.40, 0.00, 0.50
HSL	209°, 70%, 30%
HSV	209°, 82%, 50%
XYZ	6.9278, 7.0852, 21.5222
YIQ	66.3690, -49.1510, 4.2010

Conversions

Conversions Part 2

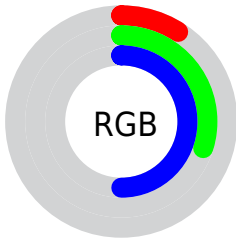
Format	Color
R_{YB}	22, 58, 128
Decimal	1461632
CIE _{Lab}	32.00, 1.96, -33.74
CIE _{LCh}	32, 33.802, 273.331
Yxy	7.0852, 0.1950, 0.1994
Android (android.graphics.Color)	4279651712 (0xFF164D80)
YUV	66.3690, 30.3841, -38.9116
Hunter-Lab	26.6180, -0.1234, -29.3069

Details

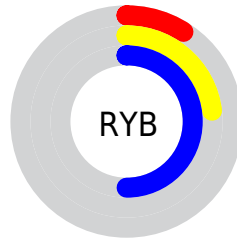
The CIELCh color **32, 33.802, 273.331** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **37, 42.935, 63.431**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 33.496, 272.714**, and **14, 31.509, 285.455** is the 20% darker color. If you saturate the color by 10%, you get **30, 37.652, 277.614**, and if you desaturate by 10%, it is **34, 29.980, 269.431**.

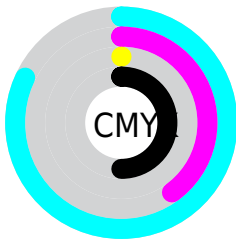
Distribution



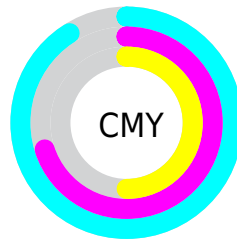
- Red (9%)
- Green (30%)
- Blue (50%)



- Red (9%)
- Yellow (23%)
- Blue (50%)



- Cyan (82%)
- Magenta (40%)
- Yellow (0%)
- Black (50%)





- Cyan (91%)
- Magenta (70%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 33.802, 273.331 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, 33.802, 273.331 by changing the saturation by 10% instead.


 32, 33.802,
273.331


 32, 33.802,
273.331

 100, 33.802,
273.331


 22, 33.802,
273.331

 52, 33.802,
273.331


 12, 33.802,
273.331


 62, 33.802,
273.331

 2, 33.802, 273.331

 72, 33.802,
273.331

 0, 33.802, 273.331

 82, 33.802,
273.331

 92, 33.802,
273.331

■ 32, 33.802,
273.331

■ 32, 33.802,
273.331

■ 30, 37.652,
277.614

■ 34, 29.980,
269.431

■ 28, 40.653,
280.717

■ 37, 26.123,
265.991

■ 39, 22.187,
263.024

■ 42, 18.150,
260.503

■ 45, 14.009,
258.376

■ 47, 9.776, 256.588

■ 50, 5.465, 255.095

■ 53, 1.095, 254.012

Harmonies

Complementary

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



32, 33.802, 273.331



37, 42.935, 63.431

Rectangle

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



32, 33.802, 273.331



32, 33.802, 323.331



32, 33.802, 93.331



32, 33.802, 143.331

Sweetspot

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



32, 33.802, 273.332



59, 13.374, 257.107



47, 47.919, 151.772



30, 9.174, 257.631



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



32, 33.802, 273.332



37, 49.583, 281.449



18, 67.613, 302.898



25, 2.461, 254.655



28, 40.450, 280.686



0, 0.000, 0.000

Inverse Universe

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



29, 47.974, 353.715



36, 61.506, 359.611



51, 52.171, 101.601



25, 3.637, 343.376



27, 51.041, 358.944



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 32, 33.802, 273.331 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, 33.802, 273.331 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, 33.802, 273.331

Background



This preview shows how black text looks on a background with the CIELCh color 32, 33.802, 273.331.



This preview shows how white text looks on a background with the CIELCh color 32, 33.802, 273.331.

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, 33.802, 273.331

Protanopia

32, 33.097, 285.962

Deuteranopia

32, 34.408, 278.023



Tritanopia
32, 21.626, 206.870

Trichromacy



Original Color
32, 33.802, 273.331

Protanomaly
32, 32.907, 280.063

Deuteranomaly
32, 34.612, 276.710

Tritanomaly
32, 22.209, 236.818

Monochromacy



Original Color
32, 33.802, 273.331

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 13.401, 259.143

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 33.802, 273.331 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(22, 77, 128)` looks like.

```
.text, #text, p{  
    color:rgb(22, 77, 128)  
}
```

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(22, 77, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 77, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 33.802, 273.331 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(22, 77, 128) }
```

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

```
.border{ border-color:rgb(22, 77, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 77, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 77, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 77, 128);  
box-shadow:4px 4px 4px 4px rgb(22, 77,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 33.802, 273.331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 77, 128) }
```

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

```
.background{ background-color: rgb(22, 77,  
128) }
```

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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