

Converting Colors

CIELCh(32, 33.792, 277.784)

Have a look what the booklet for
CIELCh(32, 33.792, 277.784)
contains.

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Color

CIELCh(32, 33.792, 277.784)

Conversions

Conversions Part 1

Format	Color
Hex	244C80
RGB	36, 76, 128
RGB Percent	14%, 30%, 50%
CMY	0.8593, 0.7023, 0.4984
CMYK	0.72, 0.41, 0.00, 0.50
HSL	214°, 56%, 32%
HSV	214°, 72%, 50%
XYZ	7.1911, 7.0852, 21.3761
YIQ	69.9680, -40.5320, 7.6920

Conversions

Conversions Part 2

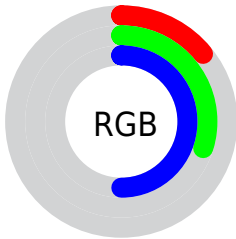
Format	Color
R_YB	36, 64, 128
Decimal	2378880
CIE Lab	32.00, 4.58, -33.48
CIE LCh	32, 33.792, 277.784
Yxy	7.0852, 0.2017, 0.1987
Android (android.graphics.Color)	4280568960 (0xFF244C80)
YUV	69.9680, 28.6098, -29.7899
Hunter-Lab	26.6180, 1.6420, -28.9815

Details

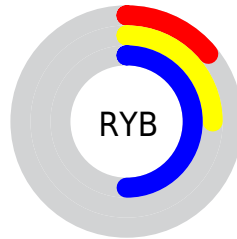
The CIELCh color **32, 33.792, 277.784** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **41, 37.442, 72.611**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 33.955, 277.911**, and **13, 32.244, 286.529** is the 20% darker color. If you saturate the color by 10%, you get **29, 38.582, 281.444**, and if you desaturate by 10%, it is **35, 29.072, 274.505**.

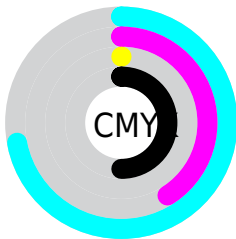
Distribution



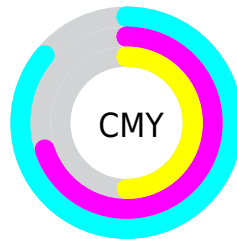
- Red (14%)
- Green (30%)
- Blue (50%)



- Red (14%)
- Yellow (25%)
- Blue (50%)



- Cyan (72%)
- Magenta (41%)
- Yellow (0%)
- Black (50%)



- Cyan (86%)
- Magenta (70%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 33.792, 277.784 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, 33.792, 277.784 by changing the saturation by 10% instead.

■ 32, 33.792,
277.784

■ 32, 33.792,
277.784

■ 100, 33.792,
277.784

■ 22, 33.792,
277.784

■ 52, 33.792,
277.784

■ 12, 33.792,
277.784

■ 62, 33.792,
277.784

■ 2, 33.792, 277.784

■ 72, 33.792,
277.784

■ 0, 33.792, 277.784

■ 82, 33.792,
277.784

■ 92, 33.792,
277.784

■ 32, 33.792,
277.784

■ 32, 33.792,
277.784

■ 29, 38.582,
281.444

■ 35, 29.072,
274.505

■ 27, 43.485,
285.384

■ 38, 24.384,
271.633

■ 25, 47.558,
288.411

■ 41, 19.702,
269.157

■ 44, 15.013,
267.041

■ 47, 10.316,
265.238

■ 50, 5.615, 263.711

■ 53, 0.919, 262.594

■ 56, 3.763, 81.143

Harmonies

Complementary

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



32, 33.792, 277.784



41, 37.442, 72.611

Rectangle

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



32, 33.792, 277.784



32, 33.792, 327.784



32, 33.792, 97.784



32, 33.792, 147.784

Sweetspot

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



32, 33.792, 277.785



60, 12.782, 265.332



48, 39.894, 158.012



30, 8.655, 265.711



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, 33.792, 277.785



37, 50.173, 283.799



21, 60.525, 302.405



25, 2.642, 263.325



25, 47.435, 288.397



0, 0.000, 0.000

Inverse Universe

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



30, 42.799, 357.206



37, 58.178, 2.020



52, 48.770, 106.523



25, 3.444, 348.023



26, 50.500, 6.579



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 32, 33.792, 277.784 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, 33.792, 277.784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

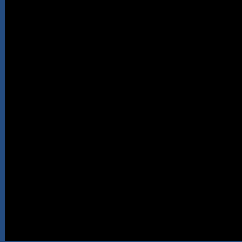
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 33.792, 277.784

Background



This preview shows how black text looks on a background with the CIELCh color 32, 33.792, 277.784.



This preview shows how white text looks on a background with the CIELCh color 32, 33.792, 277.784.

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, 33.792, 277.784

Protanopia

32, 33.738, 285.865

Deuteranopia

32, 33.792, 277.784



Tritanopia
32, 21.390, 208.802

Trichromacy



Original Color
32, 33.792, 277.784

Protanomaly
32, 33.936, 282.941

Deuteranomaly
32, 33.792, 277.784

Tritanomaly
31, 22.171, 241.668

Monochromacy



Original Color
32, 33.792, 277.784

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 13.040, 268.660

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 33.792, 277.784 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(36, 76, 128)` looks like.

```
.text, #text, p{  
    color:rgb(36, 76, 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(36, 76, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 76, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 33.792, 277.784 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(36, 76, 128) }
```

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

```
.border{ border-color:rgb(36, 76, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 76, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 76, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 76, 128);  
box-shadow:4px 4px 4px 4px rgb(36, 76,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 33.792, 277.784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 76, 128) }
```

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

```
.background{ background-color: rgb(36, 76,  
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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