

Converting Colors

CIELCh(10, 34.216, 308.425)

Have a look what the booklet for
CIELCh(10, 34.216, 308.425)
contains.

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Color

CIELCh(10, 34.301, 308.481)

Conversions

Conversions Part 1

Format	Color
Hex	221140
RGB	34, 17, 64
RGB Percent	13%, 7%, 25%
CMY	0.8656, 0.9324, 0.7480
CMYK	0.47, 0.73, 0.00, 0.75
HSL	262°, 58%, 16%
HSV	262°, 73%, 25%
XYZ	1.8056, 1.1260, 5.0124
YIQ	27.4410, -4.9550, 18.2210

Conversions

Conversions Part 2

Format	Color
RYB	34, 17, 64
Decimal	2232640
CIELab	10.00, 21.34, -26.85
CIELCh	10, 34.301, 308.481
Yxy	1.1260, 0.2273, 0.1417
Android (android.graphics.Color)	4280422720 (0xFF221140)
YUV	27.4410, 18.0236, 5.7522
Hunter-Lab	10.6114, 11.8030, -20.5781

Details

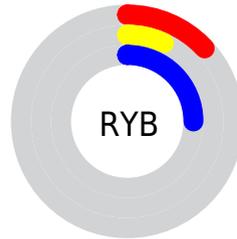
The CIELCh color **10, 34.301, 308.481** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **25, 29.955, 121.110**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **30, 34.198, 308.869**, and **1, 8.892, 288.391** is the 20% darker color. If you saturate the color by 10%, you get **8, 38.766, 309.024**, and if you desaturate by 10%, it is **12, 29.543, 307.840**.

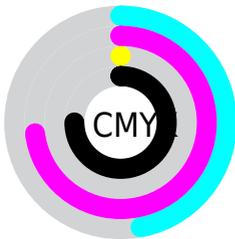
Distribution



-  Red (13%)
-  Green (7%)
-  Blue (25%)



-  Red (13%)
-  Yellow (7%)
-  Blue (25%)



-  Cyan (47%)
-  Magenta (73%)
-  Yellow (0%)
-  Black (75%)



-  Cyan (87%)
-  Magenta (93%)
-  Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 34.301, 308.481 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 10, 34.301, 308.481 by changing the saturation by 10% instead.

■ 10, 34.301,
308.481

■ 10, 34.301,
308.481

■ 100, 34.301,
308.481

■ 0, 34.301, 308.481

■ 30, 34.301,
308.481

■ 40, 34.301,
308.481

■ 50, 34.301,
308.481

■ 60, 34.301,
308.481

■ 70, 34.301,
308.481

■ 80, 34.301,

308.481

■ 90, 34.301,
308.481

■ 10, 34.301,
308.481

■ 10, 34.301,
308.481

■ 8, 38.766, 309.024

■ 12, 29.543,
307.840

■ 6, 42.700, 309.261

■ 14, 24.677,
307.165

■ 5, 45.219, 309.289

■ 17, 19.819,
306.498

■ 19, 15.034,
305.863

■ 22, 10.358,
305.275

■ 24, 5.805, 304.737

■ 26, 1.384, 304.237

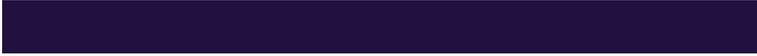
■ 29, 2.907, 123.839

■ 31, 7.070, 123.449

Harmonies

Complementary

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



10, 34.301, 308.481



25, 29.955, 121.110

Rectangle

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



10, 34.301, 308.481



10, 34.301, 358.481



10, 34.301, 128.481



10, 34.301, 178.481

Sweetspot

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



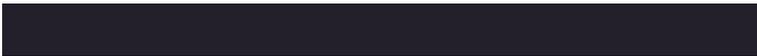
10, 34.301, 308.482



29, 12.297, 305.263



18, 14.634, 249.545



13, 8.347, 305.317



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



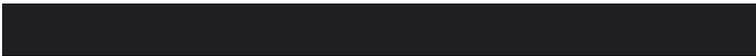
10, 34.301, 308.482



11, 50.583, 309.344



14, 34.635, 322.853



11, 2.497, 304.504



11, 62.725, 309.876



32, 116.751, 309.099

Inverse Universe

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



14, 27.696, 342.950



18, 38.014, 345.544



23, 34.329, 136.075



12, 2.270, 337.408



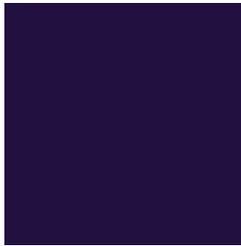
20, 44.344, 347.971



49, 80.624, 350.095

Previews

White Background



This preview shows how the CIELCh color 10, 34.301, 308.481 looks on a white background.

Color Contrast Check

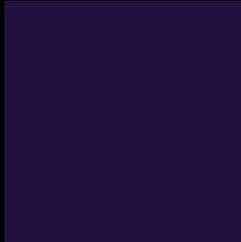
Large Text (above 18pt) WCAG AA ✓ Pass

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 10, 34.301, 308.481 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

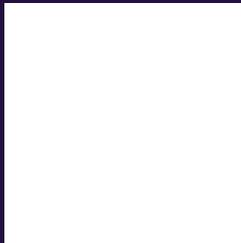
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 10, 34.301, 308.481

Background



This preview shows how black text looks on a background with the CIELCh color 10, 34.301, 308.481.



This preview shows how white text looks on a background with the CIELCh color 10, 34.301, 308.481.

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

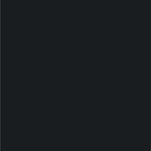
10, 34.301, 308.481

Protanopia

10, 23.353, 280.199

Deuteranopia

10, 17.036, 265.311



Tritanopia
11, 2.043, 245.305

Trichromacy



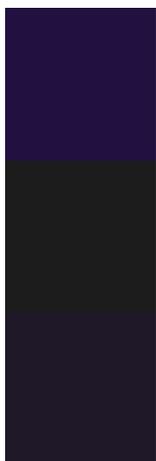
Original Color
10, 34.301, 308.481

Protanomaly
9, 27.382, 292.378

Deuteranomaly
9, 22.310, 287.213

Tritanomaly
10, 13.455, 301.589

Monochromacy



Original Color
10, 34.301, 308.481

Achromatopsia
10, 0.003, 296.813

Achromatomaly
10, 12.925, 305.835

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 34.301, 308.481 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(34, 17, 64)` looks like.

```
.text, #text, p{  
    color:rgb(34, 17, 64)  
}
```

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(34, 17, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 17, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 34.301, 308.481 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(34, 17, 64) }
```

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

```
.border{ border-color:rgb(34, 17, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 17, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 17, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 17, 64);  
box-shadow:4px 4px 4px 4px rgb(34, 17, 64)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 10, 34.301, 308.481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 17, 64) }
```

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

```
.background{ background-color: rgb(34, 17,  
64) }
```

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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