

Converting Colors

CIELCh(32, 56.683, 288.821)

Have a look what the booklet for
CIELCh(32, 56.683, 288.821)
contains.

CIELCh(32, 56.822, 288.915)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(32, 56.822, 288.915)

Conversions

Conversions Part 1

Format	Color
Hex	0147A1
RGB	1, 71, 161
RGB Percent	0%, 28%, 63%
CMY	0.9960, 0.7216, 0.3686
CMYK	0.99, 0.56, 0.00, 0.37
HSL	214°, 99%, 32%
HSV	214°, 99%, 63%
XYZ	8.6977, 7.0852, 34.6246
YIQ	60.3300, -70.6100, 13.1500

Conversions

Conversions Part 2

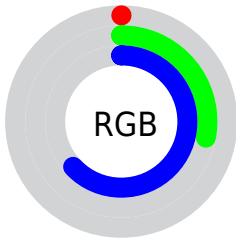
Format	Color
R _Y B	1, 50, 161
Decimal	83873
CIE Lab	32.00, 18.42, -53.75
CIE LCh	32, 56.822, 288.915
Yxy	7.0852, 0.1725, 0.1406
Android (android.graphics.Color)	4278273953 (0xFF0147A1)
YUV	60.3300, 49.6303, -52.0324
Hunter-Lab	26.6180, 11.7455, -58.4918

Details

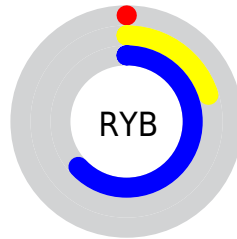
The CIELCh color **32, 56.822, 288.915** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **46, 58.831, 66.520**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 56.852, 288.771**, and **15, 54.411, 298.182** is the 20% darker color. If you saturate the color by 10%, you get **32, 57.210, 289.151**, and if you desaturate by 10%, it is **35, 50.779, 284.886**.

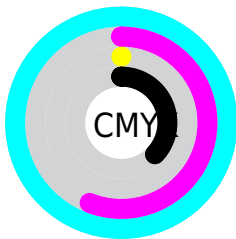
Distribution



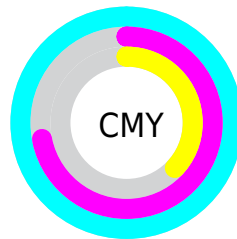
- Red (0%)
- Green (28%)
- Blue (63%)



- Red (0%)
- Yellow (20%)
- Blue (63%)



- Cyan (99%)
- Magenta (56%)
- Yellow (0%)
- Black (37%)





- Cyan (100%)
- Magenta (72%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 56.822, 288.915 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, 56.822, 288.915 by changing the saturation by 10% instead.


 32, 56.822,
288.915


 32, 56.822,
288.915

 100, 56.822,
288.915


 22, 56.822,
288.915

 52, 56.822,
288.915


 12, 56.822,
288.915


 62, 56.822,
288.915

 2, 56.822, 288.915

 72, 56.822,
288.915

 0, 56.822, 288.915

 82, 56.822,
288.915

 92, 56.822,
288.915

■ 32, 56.822,
288.915

■ 32, 56.822,
288.915

■ 32, 57.210,
289.151

■ 35, 50.779,
284.886

■ 38, 44.911,
280.872

■ 41, 39.174,
277.167

■ 45, 33.515,
273.865

■ 48, 27.887,
270.991

■ 52, 22.258,
268.525

■ 55, 16.617,
266.427

■ 59, 10.963,

264.648

■ 63, 5.304, 263.151

Harmonies

Complementary

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



32, 56.822, 288.915



46, 58.831, 66.520

Rectangle

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



32, 56.822, 288.915



32, 56.822, 338.915



32, 56.822, 108.915



32, 56.822, 158.915

Sweetspot

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



32, 56.822, 288.917



70, 20.997, 266.660



58, 59.324, 152.192



35, 14.293, 267.462



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



32, 56.822, 288.917



41, 70.860, 289.985



19, 94.265, 306.394



33, 3.237, 263.138



29, 52.602, 288.761



2, 5.237, 265.765

Inverse Universe

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



34, 59.733, 7.203



45, 72.733, 8.483



64, 68.701, 105.906



32, 4.239, 347.915



30, 55.536, 7.004



1, 6.343, 349.642

Previews

White Background



This preview shows how the CIE LCh color 32, 56.822, 288.915 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, 56.822, 288.915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

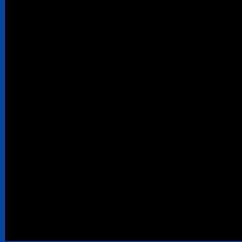
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 56.822, 288.915

Background



This preview shows how black text looks on a background with the CIELCh color 32, 56.822, 288.915.



This preview shows how white text looks on a background with the CIELCh color 32, 56.822, 288.915.

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, 56.822, 288.915

Protanopia

32, 51.434, 285.850

Deuteranopia

32, 37.065, 273.679



Tritanopia
32, 21.700, 205.080

Trichromacy



Original Color
32, 56.822, 288.915

Protanomaly
32, 53.836, 287.294

Deuteranomaly
32, 43.818, 280.515

Tritanomaly
31, 27.211, 256.153

Monochromacy



Original Color
32, 56.822, 288.915

Achromatopsia
25, 0.004, 296.813

Achromatomaly
27, 22.480, 273.691

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 56.822, 288.915 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(1, 71, 161)` looks like.

```
.text, #text, p{  
    color:rgb(1, 71, 161)  
}
```

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(1, 71, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 71, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 56.822, 288.915 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(1, 71, 161) }
```

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

```
.border{ border-color:rgb(1, 71, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 71, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 71, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 71, 161);  
box-shadow:4px 4px 4px 4px rgb(1, 71, 161)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 56.822, 288.915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 71, 161) }
```

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

```
.background{ background-color: rgb(1, 71,  
161) }
```

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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