

Converting Colors

CIELCh(27, 85.858, 306.540)

Have a look what the booklet for
CIELCh(27, 85.858, 306.540)
contains.

CIELCh(27, 86.120, 306.556)	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(27, 86.120, 306.556)

Conversions

Conversions Part 1

Format	Color
Hex	3E20AD
RGB	62, 32, 173
RGB Percent	24%, 13%, 68%
CMY	0.7561, 0.8740, 0.3210
CMYK	0.64, 0.81, 0.00, 0.32
HSL	253°, 69%, 40%
HSV	253°, 81%, 68%
XYZ	10.0759, 5.0937, 40.0640
YIQ	57.0440, -27.3810, 50.2110

Conversions

Conversions Part 2

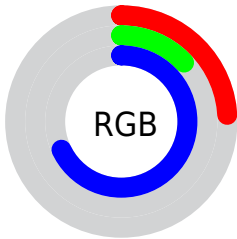
Format	Color
R_{YB}	62, 32, 173
Decimal	4071597
CIE _{Lab}	27.00, 51.29, -69.18
CIE _{LCh}	27, 86.120, 306.556
Yxy	5.0937, 0.1824, 0.0922
Android (android.graphics.Color)	4282261677 (0xFF3E20AD)
YUV	57.0440, 57.1663, 4.3464
Hunter-Lab	22.5692, 40.1947, -89.4510

Details

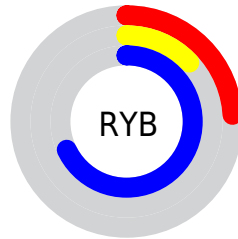
The CIELCh color $27, 86.120, 306.556$ is a dark color, and the websafe version is hex 330099 . A complement of this color would be $66, 68.541, 114.464$, and the grayscale version is $24, 0.004, 296.813$.

A 20% lighter version of the original color is $47, 86.183, 306.552$, and $11, 76.176, 306.287$ is the 20% darker color. If you saturate the color by 10%, you get $24, 93.760, 307.158$, and if you desaturate by 10%, it is $31, 76.254, 305.568$.

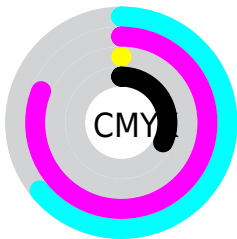
Distribution



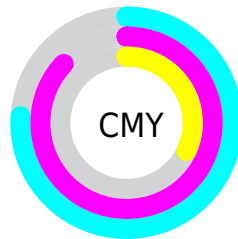
- Red (24%)
- Green (13%)
- Blue (68%)



- Red (24%)
- Yellow (13%)
- Blue (68%)



- Cyan (64%)
- Magenta (81%)
- Yellow (0%)
- Black (32%)





- Cyan (76%)
- Magenta (87%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 86.120, 306.556 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 27, 86.120, 306.556 by changing the saturation by 10% instead.

 27, 86.120,
306.556


 27, 86.120,
306.556

 100, 86.120,
306.556


 17, 86.120,
306.556


 47, 86.120,
306.556


 7, 86.120, 306.556

 57, 86.120,
306.556

 0, 86.120, 306.556

 67, 86.120,
306.556

 77, 86.120,
306.556

 87, 86.120,
306.556

 97, 86.120,

306.556

■ 27, 86.120,
306.556

■ 27, 86.120,
306.556

■ 24, 93.760,
307.158

■ 31, 76.254,
305.568

■ 22, 98.390,
307.406

■ 36, 65.296,
304.398

■ 42, 54.012,
303.200

■ 47, 42.818,
302.062

■ 53, 31.908,
301.024

■ 59, 21.357,
300.101

■ 64, 11.186,
299.292

■ 70, 1.389, 298.581

■ 76, 8.051, 117.986

Harmonies

Complementary

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



27, 86.120, 306.556



66, 68.541, 114.464

Rectangle

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



27, 86.120, 306.556



27, 86.120, 356.556



27, 86.120, 126.556



27, 86.120, 176.556

Sweetspot

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



27, 86.121, 306.557



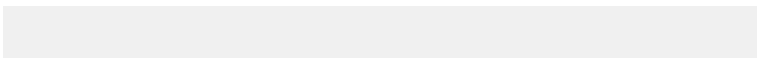
72, 29.685, 300.364



56, 30.967, 229.142



36, 20.499, 300.681



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



27, 86.121, 306.557



30, 118.597, 307.259



36, 81.761, 318.189



34, 5.521, 299.133



18, 88.616, 307.488



1, 11.446, 296.981

Inverse Universe

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



41, 69.921, 336.930



51, 88.716, 338.893



63, 78.282, 132.277



34, 5.683, 331.537



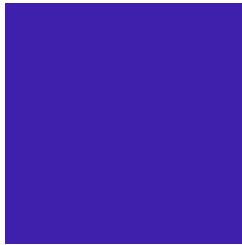
34, 66.281, 338.755



2, 11.302, 333.827

Previews

White Background



This preview shows how the CIELCh color 27, 86.120, 306.556 looks on a white background.

Color Contrast Check

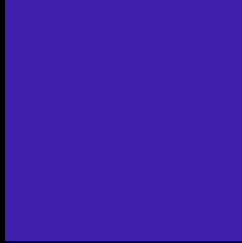
Large Text (above 18pt) WCAG AA ✓ Pass

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 27, 86.120, 306.556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

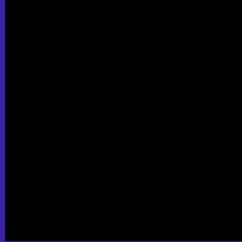
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 86.120, 306.556

Background



This preview shows how black text looks on a background with the CIELCh color 27, 86.120, 306.556.



This preview shows how white text looks on a background with the CIELCh color 27, 86.120, 306.556.

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

27, 86.120, 306.556

Protanopia

27, 44.515, 284.845

Deuteranopia

27, 31.111, 270.547



Tritanopia
27, 19.253, 208.523

Trichromacy



Original Color
27, 86.120, 306.556

Protanomaly
26, 61.402, 296.428

Deuteranomaly
25, 52.122, 293.069

Tritanomaly
25, 36.553, 284.548

Monochromacy



Original Color
27, 86.120, 306.556

Achromatopsia
24, 0.004, 296.813

Achromatomaly
23, 34.076, 302.963

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 86.120, 306.556 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(62, 32, 173)` looks like.

```
.text, #text, p{  
    color:rgb(62, 32, 173)  
}
```

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(62, 32, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 32, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 86.120, 306.556 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(62, 32, 173) }
```

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

```
.border{ border-color:rgb(62, 32, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 32, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 32, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 32, 173);  
box-shadow:4px 4px 4px 4px rgb(62, 32,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 86.120, 306.556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 32, 173) }
```

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

```
.background{ background-color: rgb(62, 32,  
173) }
```

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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