

Converting Colors

CIELCh(27, 88.468, 305.606)

Have a look what the booklet for
CIELCh(27, 88.468, 305.606)
contains.

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Color

CIELCh(27, 88.624, 305.658)

Conversions

Conversions Part 1

Format	Color
Hex	3721B2
RGB	55, 33, 178
RGB Percent	22%, 13%, 70%
CMY	0.7851, 0.8712, 0.3026
CMYK	0.69, 0.82, 0.00, 0.30
HSL	249°, 69%, 41%
HSV	249°, 82%, 70%
XYZ	10.1232, 5.0937, 42.4845
YIQ	56.1080, -33.4330, 49.7590

Conversions

Conversions Part 2

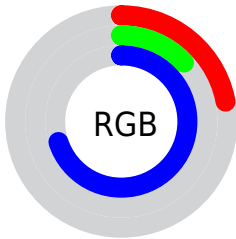
Format	Color
RYB	55, 33, 178
Decimal	3613106
CIELab	27.00, 51.66, -72.01
CIELCh	27, 88.624, 305.658
Yxy	5.0937, 0.1754, 0.0883
Android (android.graphics.Color)	4281803186 (0xFF3721B2)
YUV	56.1080, 60.0928, -0.9717
Hunter-Lab	22.5692, 40.5682, -95.8097

Details

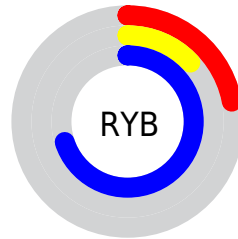
The CIELCh color $27, 88.624, 305.658$ is a dark color, and the websafe version is hex $3333CC$. A complement of this color would be $69, 69.306, 111.374$, and the grayscale version is $23, 0.004, 296.813$.

A 20% lighter version of the original color is $47, 88.871, 305.794$, and $12, 78.458, 306.287$ is the 20% darker color. If you saturate the color by 10%, you get $24, 96.519, 306.499$, and if you desaturate by 10%, it is $31, 78.340, 304.402$.

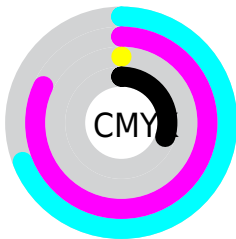
Distribution



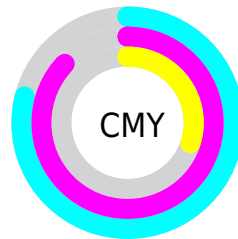
- Red (22%)
- Green (13%)
- Blue (70%)



- Red (22%)
- Yellow (13%)
- Blue (70%)



- Cyan (69%)
- Magenta (82%)
- Yellow (0%)
- Black (30%)



- Cyan (79%)
- Magenta (87%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 88.624, 305.658 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, 88.624, 305.658 by changing the saturation by 10% instead.

 27, 88.624,
305.658

 27, 88.624,
305.658

 100, 88.624,
305.658

 17, 88.624,
305.658

 47, 88.624,
305.658

 7, 88.624, 305.658

 57, 88.624,
305.658

 0, 88.624, 305.658

 67, 88.624,
305.658

 77, 88.624,
305.658

 87, 88.624,
305.658

 97, 88.624,

305.658

■ 27, 88.624,
305.658

■ 27, 88.624,
305.658

■ 24, 96.519,
306.499

■ 31, 78.340,
304.402

■ 22, 101.100,
306.911

■ 37, 66.945,
302.969

■ 42, 55.277,
301.534

■ 48, 43.765,
300.193

■ 54, 32.593,
298.988

■ 60, 21.822,
297.930

■ 66, 11.462,
297.012

■ 72, 1.497, 296.223

■ 77, 8.096, 115.537

Harmonies

Complementary

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



27, 88.624, 305.658



69, 69.306, 111.374

Rectangle

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



27, 88.624, 305.658



27, 88.624, 355.658



27, 88.624, 125.658



27, 88.624, 175.658

Sweetspot

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



27, 88.625, 305.659



74, 30.377, 298.221



59, 31.899, 220.032



37, 21.183, 298.592



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



27, 88.625, 305.659



30, 122.553, 306.758



36, 83.897, 316.689



35, 5.626, 296.827



18, 90.394, 306.978



1, 13.374, 294.765

Inverse Universe

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



43, 74.503, 333.987



53, 95.306, 335.300



65, 78.912, 131.047



35, 6.081, 329.407



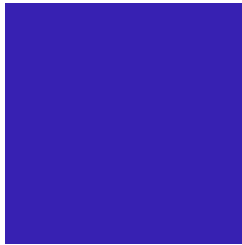
35, 70.241, 335.214



2, 13.954, 331.179

Previews

White Background



This preview shows how the CIE LCh color 27, 88.624, 305.658 looks on a white background.

Color Contrast Check

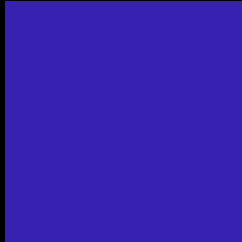
Large Text (above 18pt) WCAG AA ✓ Pass

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 27, 88.624, 305.658 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, 88.624, 305.658

Background



This preview shows how black text looks on a background with the CIELCh color 27, 88.624, 305.658.



This preview shows how white text looks on a background with the CIELCh color 27, 88.624, 305.658.

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, 88.624, 305.658

Protanopia

27, 44.515, 284.845

Deuteranopia

27, 31.111, 270.547



Tritanopia
27, 19.313, 206.448

Trichromacy



Original Color
27, 88.624, 305.658

Protanomaly
26, 62.040, 296.305

Deuteranomaly
25, 52.775, 292.919

Tritanomaly
25, 37.241, 284.331

Monochromacy



Original Color
27, 88.624, 305.658

Achromatopsia
24, 0.004, 296.813

Achromatomaly
23, 34.674, 301.282

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 88.624, 305.658 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(55, 33, 178)` looks like.

```
.text, #text, p{  
    color:rgb(55, 33, 178)  
}
```

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(55, 33, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 33, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 88.624, 305.658 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(55, 33, 178) }
```

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

```
.border{ border-color:rgb(55, 33, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 33, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 33, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 33, 178);  
box-shadow:4px 4px 4px 4px rgb(55, 33,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 88.624, 305.658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 33, 178) }
```

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

```
.background{ background-color: rgb(55, 33,  
178) }
```

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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