

Converting Colors

CIELCh(27, 32.431, 305.887)

Have a look what the booklet for
CIELCh(27, 32.431, 305.887)
contains.

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Color

CIELCh(27, 32.430, 305.887)

Conversions

Conversions Part 1

Format	Color
Hex	473768
RGB	71, 55, 104
RGB Percent	28%, 22%, 41%
CMY	0.7210, 0.7838, 0.5915
CMYK	0.32, 0.47, 0.00, 0.59
HSL	260°, 31%, 31%
HSV	260°, 47%, 41%
XYZ	6.4891, 5.0937, 13.7793
YIQ	65.3700, -6.1930, 18.6310

Conversions

Conversions Part 2

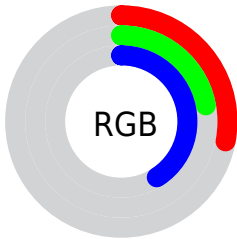
Format	Color
R_{YB}	71, 55, 104
Decimal	4667240
CIE _{Lab}	27.00, 19.01, -26.27
CIE _{LCh}	27, 32.430, 305.887
Yxy	5.0937, 0.2559, 0.2008
Android (android.graphics.Color)	4282857320 (0xFF473768)
YUV	65.3700, 19.0446, 4.9375
Hunter-Lab	22.5692, 11.8263, -20.4001




Details

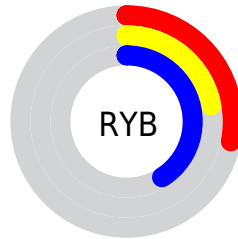
The CIELCh color **27, 32.430, 305.887** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **42, 29.597, 120.368**, and the grayscale version is **28, 0.004, 296.813**.




A 20% lighter version of the original color is **47, 32.236, 306.055**, and **7, 31.980, 305.737** is the 20% darker color. If you saturate the color by 10%, you get **24, 39.737, 306.692**, and if you desaturate by 10%, it is **31, 25.193, 305.114**.

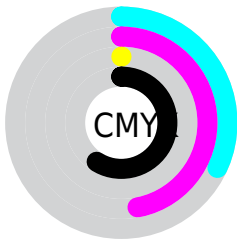
Distribution







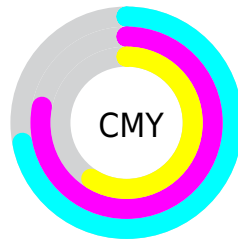
-  Red (28%)
-  Green (22%)
-  Blue (41%)






-  Red (28%)
-  Yellow (22%)
-  Blue (41%)



-  Cyan (32%)
-  Magenta (47%)
-  Yellow (0%)
-  Black (59%)



-  Cyan (72%)
-  Magenta (78%)
-  Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 32.430, 305.887 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, 32.430, 305.887 by changing the saturation by 10% instead.

■ 27, 32.430,
305.887

■ 27, 32.430,
305.887

■ 100, 32.430,
305.887

■ 17, 32.430,
305.887

■ 47, 32.430,
305.887

■ 7, 32.430, 305.887

■ 57, 32.430,
305.887

■ 0, 32.430, 305.887

■ 67, 32.430,
305.887

■ 77, 32.430,
305.887

■ 87, 32.430,
305.887

■ 97, 32.430,

305.887

■ 27, 32.430,
305.887

■ 27, 32.430,
305.887

■ 24, 39.737,
306.692

■ 31, 25.193,
305.114

■ 20, 46.948,
307.483

■ 34, 18.117,
304.397

■ 17, 53.763,
308.180

■ 38, 11.240,
303.746

■ 15, 59.721,
308.666

■ 42, 4.578, 303.161

■ 12, 64.837,
309.019

■ 45, 1.868, 122.675

■ 49, 8.104, 122.209

■ 12, 66.497,
309.216

■ 52, 14.139,
121.812

■ 56, 19.983,
121.467

■ 59, 25.647,
121.168

Harmonies

Complementary

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



27, 32.430, 305.887



42, 29.597, 120.368

Rectangle

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



27, 32.430, 305.887



27, 32.430, 355.887



27, 32.430, 125.887



27, 32.430, 175.887

Sweetspot

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



27, 32.429, 305.887



50, 11.376, 303.584



36, 14.794, 239.302



25, 7.936, 303.683



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



27, 32.429, 305.887



31, 48.322, 306.733



30, 34.396, 321.235



19, 3.589, 303.265



13, 71.321, 309.104



34, 124.580, 308.529

Inverse Universe

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



30, 28.639, 338.894



37, 41.390, 339.884



40, 33.848, 136.724



20, 3.362, 335.928



24, 50.780, 345.868



54, 87.061, 347.329

Previews

White Background



This preview shows how the CIE LCh color 27, 32.430, 305.887 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, 32.430, 305.887 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

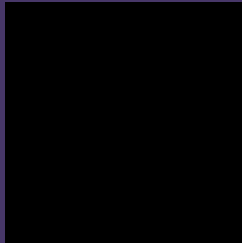
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 32.430, 305.887

Background



This preview shows how black text looks on a background with the CIELCh color 27, 32.430, 305.887.



This preview shows how white text looks on a background with the CIELCh color 27, 32.430, 305.887.

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, 32.430, 305.887

Protanopia

27, 32.045, 285.751

Deuteranopia

27, 25.259, 279.123



Tritanopia
27, 3.298, 298.445

Trichromacy



Original Color
27, 32.430, 305.887

Protanomaly
27, 31.842, 292.171

Deuteranomaly
27, 27.354, 289.844

Tritanomaly
27, 14.068, 304.493

Monochromacy



Original Color
27, 32.430, 305.887

Achromatopsia
28, 0.004, 296.813

Achromatomaly
27, 12.020, 304.275

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 32.430, 305.887 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(71, 55, 104)` looks like.

```
.text, #text, p{  
    color:rgb(71, 55, 104)  
}
```

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(71, 55, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 55, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 32.430, 305.887 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(71, 55, 104) }
```

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

```
.border{ border-color:rgb(71, 55, 104) }
```

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

Here you see how a box with a 4 pixel rgb(71, 55, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 55, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 55, 104);  
box-shadow:4px 4px 4px 4px rgb(71, 55,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 32.430, 305.887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 55, 104) }
```

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

```
.background{ background-color: rgb(71, 55,  
104) }
```

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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