

Converting Colors

CIELCh(27, 20.451, 323.854)

Have a look what the booklet for
CIELCh(27, 20.451, 323.854)
contains.

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Color

CIELCh(27, 20.377, 323.921)

Conversions

Conversions Part 1

Format	Color
Hex	503752
RGB	80, 55, 82
RGB Percent	31%, 22%, 32%
CMY	0.6850, 0.7831, 0.6772
CMYK	0.02, 0.33, 0.00, 0.68
HSL	296°, 20%, 27%
HSV	296°, 33%, 32%
XYZ	6.2500, 5.0937, 8.6987
YIQ	65.5530, 6.2330, 13.6970

Conversions

Conversions Part 2

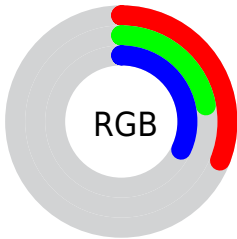
Format	Color
R_{YB}	80, 55, 82
Decimal	5257042
CIE _{Lab}	27.00, 16.47, -12.00
CIE _{LCh}	27, 20.377, 323.921
Yxy	5.0937, 0.3118, 0.2541
Android (android.graphics.Color)	4283447122 (0xFF503752)
YUV	65.5530, 8.1084, 12.6700
Hunter-Lab	22.5692, 9.9353, -7.0533

Details

The CIELCh color $[27, 20.377, 323.921]$ is a dark color, and the websafe version is hex $\#663366$. A complement of this color would be $[32, 20.290, 140.573]$, and the grayscale version is $[28, 0.004, 296.813]$.

A 20% lighter version of the original color is $[47, 20.378, 324.628]$, and $[7, 20.577, 324.505]$ is the 20% darker color. If you saturate the color by 10%, you get $[25, 26.453, 324.345]$, and if you desaturate by 10%, it is $[29, 14.163, 323.473]$.

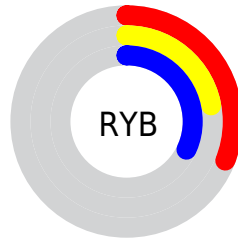
Distribution



 Red (31%)

 Green (22%)

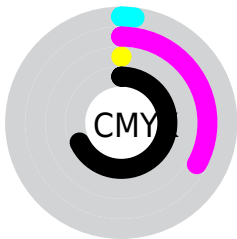
 Blue (32%)



 Red (31%)

 Yellow (22%)

 Blue (32%)

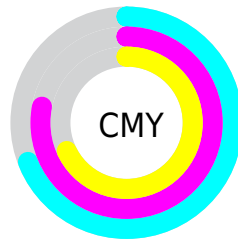


 Cyan (2%)

 Magenta (33%)

 Yellow (0%)

 Black (68%)



 Cyan (69%)


 Magenta (78%)


 Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 20.377, 323.921 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, 20.377, 323.921 by changing the saturation by 10% instead.

 27, 20.377,
323.921


 27, 20.377,
323.921

 100, 20.377,
323.921


 17, 20.377,
323.921


 47, 20.377,
323.921


 7, 20.377, 323.921

 57, 20.377,
323.921

 0, 20.377, 323.921

 67, 20.377,
323.921

 77, 20.377,
323.921

 87, 20.377,
323.921

 97, 20.377,

323.921

■ 27, 20.377,
323.921

■ 27, 20.377,
323.921

■ 25, 26.453,
324.345

■ 29, 14.163,
323.473

■ 23, 32.248,
324.730

■ 32, 7.923, 323.010

■ 21, 37.579,
325.056

■ 34, 1.733, 322.497

■ 37, 4.356, 142.152

■ 19, 42.237,
325.306

■ 39, 10.313,
141.703

■ 18, 46.014,
325.460

■ 42, 16.119,
141.284

■ 17, 48.914,
325.522

■ 45, 21.767,
140.888

■ 16, 51.020,
325.578

■ 47, 27.253,
140.516

■ 50, 32.580,
140.167

Harmonies

Complementary

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



27, 20.377, 323.921



32, 20.290, 140.573

Rectangle

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



27, 20.377, 323.921



27, 20.377, 13.921



27, 20.377, 143.921



27, 20.377, 193.921

Sweetspot

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



27, 20.376, 323.921



42, 7.671, 322.893



25, 16.333, 290.482



20, 5.175, 322.930



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



27, 20.376, 323.921



34, 29.999, 324.244



27, 15.650, 341.928



15, 3.421, 322.814



22, 60.252, 325.494



52, 108.095, 325.307

Inverse Universe

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



26, 12.904, 16.233



33, 19.454, 17.250



32, 15.290, 156.795



15, 2.027, 13.812



20, 49.995, 33.311



49, 94.370, 37.634

Previews

White Background



This preview shows how the CIE LCh color 27, 20.377, 323.921 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, 20.377, 323.921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

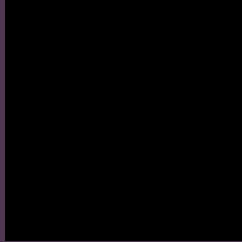
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 20.377, 323.921

Background



This preview shows how black text looks on a background with the CIELCh color 27, 20.377, 323.921.



This preview shows how white text looks on a background with the CIELCh color 27, 20.377, 323.921.

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, 20.377, 323.921

Protanopia

27, 16.355, 285.440

Deuteranopia

27, 11.720, 290.509



Tritanopia
27, 9.285, 0.848

Trichromacy



Original Color
27, 20.377, 323.921

Protanomaly
27, 17.143, 299.995

Deuteranomaly
27, 14.252, 307.766

Tritanomaly
27, 12.531, 339.629

Monochromacy



Original Color
27, 20.377, 323.921

Achromatopsia
28, 0.004, 296.813

Achromatomaly
27, 7.625, 322.301

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 20.377, 323.921 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(80, 55, 82)` looks like.

```
.text, #text, p{  
    color:rgb(80, 55, 82)  
}
```

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(80, 55, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 55, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 20.377, 323.921 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(80, 55, 82) }
```

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

```
.border{ border-color:rgb(80, 55, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 55, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 55, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 55, 82);  
box-shadow:4px 4px 4px 4px rgb(80, 55, 82)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 20.377, 323.921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 55, 82) }
```

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

```
.background{ background-color: rgb(80, 55,  
82) }
```

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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