

Converting Colors

CIELCh(27, 33.950, 326.858)

Have a look what the booklet for
CIELCh(27, 33.950, 326.858)
contains.

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Color

CIELCh(27, 34.027, 326.851)

Conversions

Conversions Part 1

Format	Color
Hex	5D2F5D
RGB	93, 47, 93
RGB Percent	36%, 18%, 36%
CMY	0.6369, 0.8171, 0.6368
CMYK	0.00, 0.50, 0.00, 0.64
HSL	300°, 33%, 27%
HSV	300°, 50%, 36%
XYZ	7.4346, 5.0937, 10.8576
YIQ	65.9980, 12.6500, 24.0580

Conversions

Conversions Part 2

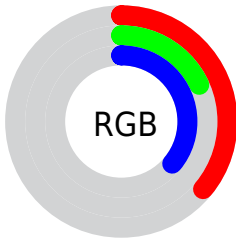
Format	Color
RYB	93, 47, 93
Decimal	6106973
CIELab	27.00, 28.49, -18.61
CIELCh	27, 34.027, 326.851
Yxy	5.0937, 0.3179, 0.2178
Android (android.graphics.Color)	4284297053 (0xFF5D2F5D)
YUV	65.9980, 13.3120, 23.6808
Hunter-Lab	22.5692, 19.3045, -12.7249

Details

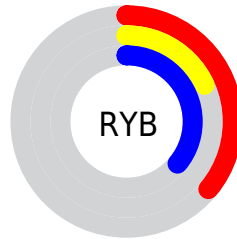
The CIELCh color $27, 34.027, 326.851$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $35, 34.155, 140.784$, and the grayscale version is $28, 0.004, 296.813$.

A 20% lighter version of the original color is $47, 34.245, 326.806$, and $7, 34.442, 326.691$ is the 20% darker color. If you saturate the color by 10%, you get $25, 39.988, 327.253$, and if you desaturate by 10%, it is $29, 27.529, 326.403$.

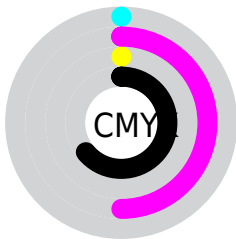
Distribution



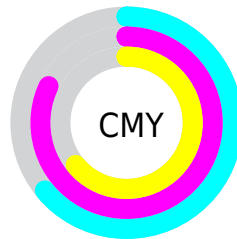
- Red (36%)
- Green (18%)
- Blue (36%)



- Red (36%)
- Yellow (18%)
- Blue (36%)



- Cyan (0%)
- Magenta (50%)
- Yellow (0%)
- Black (64%)





- Cyan (64%)
- Magenta (82%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 34.027, 326.851 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, 34.027, 326.851 by changing the saturation by 10% instead.

 27, 34.027,
326.851


 27, 34.027,
326.851

 100, 34.027,
326.851


 17, 34.027,
326.851


 47, 34.027,
326.851


 7, 34.027, 326.851

 57, 34.027,
326.851

 0, 34.027, 326.851

 67, 34.027,
326.851

 77, 34.027,
326.851

 87, 34.027,
326.851

 97, 34.027,

326.851

■ 27, 34.027,
326.851

■ 27, 34.027,
326.851

■ 25, 39.988,
327.253

■ 29, 27.529,
326.403

■ 23, 45.185,
327.594

■ 32, 20.706,
325.922

■ 22, 49.393,
327.865

■ 34, 13.724,
325.420

■ 21, 52.449,
328.058

■ 37, 6.712, 324.902

■ 20, 55.029,
328.218

■ 39, 0.239, 145.037

■ 20, 55.123,
328.224

■ 42, 7.070, 143.944

■ 45, 13.742,
143.452

■ 48, 20.234,
142.985

■ 51, 26.536,
142.542

Harmonies

Complementary

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



27, 34.027, 326.851



35, 34.155, 140.784

Rectangle

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



27, 34.027, 326.851



27, 34.027, 16.851



27, 34.027, 146.851



27, 34.027, 196.851

Sweetspot

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



27, 34.026, 326.851



45, 12.941, 325.206



22, 30.345, 296.074



22, 8.903, 325.278



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



27, 34.026, 326.851



33, 49.430, 327.333



26, 24.874, 347.436



17, 3.868, 324.858



25, 62.062, 328.224



56, 109.392, 328.224

Inverse Universe

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



25, 22.913, 24.326



30, 35.287, 26.784



36, 23.735, 158.081



17, 2.233, 19.811



21, 53.756, 36.841



50, 98.977, 39.993

Previews

White Background



This preview shows how the CIELCh color 27, 34.027, 326.851 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, 34.027, 326.851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

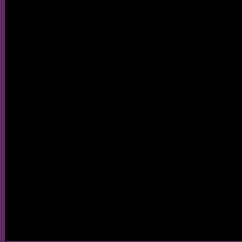
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 34.027, 326.851

Background



This preview shows how black text looks on a background with the CIELCh color 27, 34.027, 326.851.



This preview shows how white text looks on a background with the CIELCh color 27, 34.027, 326.851.

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, 34.027, 326.851

Protanopia
27, 28.728, 285.603

Deuteranopia
27, 17.039, 283.465



Tritanopia
27, 15.782, 13.274

Trichromacy



Original Color
27, 34.027, 326.851

Protanomaly
27, 29.511, 300.362

Deuteranomaly
27, 22.022, 305.229

Tritanomaly
27, 20.577, 347.500

Monochromacy



Original Color
27, 34.027, 326.851

Achromatopsia
28, 0.004, 296.813

Achromatomaly
27, 13.270, 325.533

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 34.027, 326.851 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(93, 47, 93)` looks like.

```
.text, #text, p{  
    color:rgb(93, 47, 93)  
}
```

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(93, 47, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 47, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 34.027, 326.851 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(93, 47, 93) }
```

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

```
.border{ border-color:rgb(93, 47, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 47, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 47, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 47, 93);  
box-shadow:4px 4px 4px 4px rgb(93, 47, 93)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 34.027, 326.851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 47, 93) }
```

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

```
.background{ background-color: rgb(93, 47,  
93) }
```

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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