

Converting Colors

CIELCh(37, 63.179, 26.612)

Have a look what the booklet for
CIELCh(37, 63.179, 26.612) contains.

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Color

CIELCh(37, 63.333, 26.682)

Conversions

Conversions Part 1

Format	Color
Hex	AB192D
RGB	171, 25, 45
RGB Percent	67%, 10%, 18%
CMY	0.3295, 0.9020, 0.8236
CMYK	0.00, 0.85, 0.74, 0.33
HSL	352°, 75%, 38%
HSV	352°, 85%, 67%
XYZ	17.6089, 9.5379, 3.3936
YIQ	70.9340, 80.5960, 37.1720

Conversions

Conversions Part 2

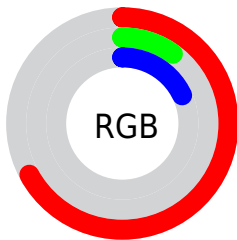
Format	Color
RYB	171, 25, 45
Decimal	11213101
CIELab	37.00, 56.59, 28.44
CIElCh	37, 63.333, 26.682
Yxy	9.5379, 0.5766, 0.3123
Android (android.graphics.Color)	4289403181 (0xFFAB192D)
YUV	70.9340, -12.7855, 87.7579
Hunter-Lab	30.8835, 47.7295, 15.1035

Details

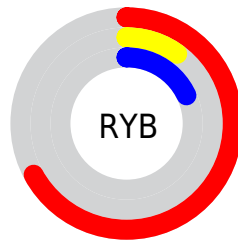
The CIELCh color **37, 63.333, 26.682** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **63, 40.348, 179.840**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 63.325, 26.463**, and **22, 54.329, 36.989** is the 20% darker color. If you saturate the color by 10%, you get **36, 69.066, 31.456**, and if you desaturate by 10%, it is **39, 56.756, 22.424**.

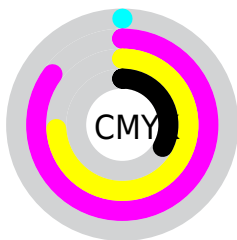
Distribution



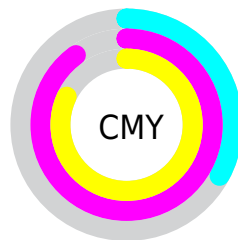
- Red (67%)
- Green (10%)
- Blue (18%)



- Red (67%)
- Yellow (10%)
- Blue (18%)



- Cyan (0%)
- Magenta (85%)
- Yellow (74%)
- Black (33%)



- Cyan (33%)
- Magenta (90%)
- Yellow (82%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 63.333, 26.682 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 37, 63.333, 26.682 by changing the saturation by 10% instead.

 37, 63.333, 26.682

 37, 63.333, 26.682

 100, 63.333,
26.682

 27, 63.333, 26.682

 57, 63.333, 26.682

 17, 63.333, 26.682

 67, 63.333, 26.682

 7, 63.333, 26.682

 77, 63.333, 26.682

 0, 63.333, 26.682

 87, 63.333, 26.682

 97, 63.333, 26.682

 37, 63.333, 26.682

 37, 63.333, 26.682

 36, 69.066, 31.456

 39, 56.756, 22.424

35, 71.577, 33.461

42, 49.469, 18.907

45, 41.688, 16.102

49, 33.690, 13.886

53, 25.729, 12.125

58, 17.994, 10.707

62, 10.601, 9.536

67, 3.604, 8.493

72, 2.983, 187.972

Harmonies

Complementary

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



37, 63.333, 26.682



63, 40.348, 179.840

Rectangle

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



37, 63.333, 26.682



37, 63.333, 76.682



37, 63.333, 206.682



37, 63.333, 256.682

Sweetspot

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



37, 63.330, 26.684



73, 22.841, 10.845



38, 82.226, 322.913



37, 15.747, 11.299



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



37, 63.330, 26.684



46, 87.795, 34.378



44, 58.676, 51.989



34, 3.874, 8.904



31, 64.775, 32.904



2, 7.921, 10.193

Inverse Universe

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



37, 63.330, 26.684



46, 87.795, 34.378



48, 35.395, 257.516



34, 3.874, 8.904



31, 64.775, 32.904



2, 7.921, 10.193

Previews

White Background



This preview shows how the CIELCh color 37, 63.333, 26.682 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 37, 63.333, 26.682 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 37, 63.333, 26.682

Background



This preview shows how black text looks on a background with the CIELCh color 37, 63.333, 26.682.



This preview shows how white text looks on a background with the CIELCh color 37, 63.333, 26.682.

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

37, 63.333, 26.682

Protanopia

38, 14.908, 96.978

Deuteranopia

37, 31.914, 80.957



Tritanopia
37, 67.198, 35.013

Trichromacy



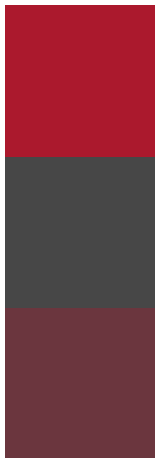
Original Color
37, 63.333, 26.682

Protanomaly
35, 28.452, 33.639

Deuteranomaly
35, 39.459, 45.460

Tritanomaly
37, 65.675, 32.375

Monochromacy



Original Color
37, 63.333, 26.682

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 25.113, 13.228

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 63.333, 26.682 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(171, 25, 45)` looks like.

```
.text, #text, p{  
    color:rgb(171, 25, 45)  
}
```

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(171, 25, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 25, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 63.333, 26.682 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(171, 25, 45) }
```

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

```
.border{ border-color:rgb(171, 25, 45) }
```

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

Here you see how a box with a 4 pixel rgb(171, 25, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 25, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 25, 45);  
box-shadow:4px 4px 4px 4px rgb(171, 25,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 63.333, 26.682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 25, 45) }
```

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

```
.background{ background-color: rgb(171, 25,  
45) }
```

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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