

Converting Colors

CIELCh(37, 42.811, 326.893)

Have a look what the booklet for
CIELCh(37, 42.811, 326.893)
contains.

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Color

CIELCh(37, 42.745, 326.895)

Conversions

Conversions Part 1

Format	Color
Hex	7D407D
RGB	125, 64, 125
RGB Percent	49%, 25%, 49%
CMY	0.5092, 0.7485, 0.5092
CMYK	0.00, 0.49, 0.00, 0.51
HSL	300°, 32%, 37%
HSV	300°, 49%, 49%
XYZ	14.0312, 9.5379, 20.5518
YIQ	89.1930, 16.7750, 31.9030

Conversions

Conversions Part 2

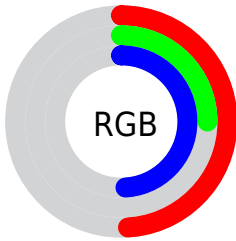
Format	Color
R_{YB}	125, 64, 125
Decimal	8208509
CIE _{Lab}	37.00, 35.81, -23.35
CIE _{LCh}	37, 42.745, 326.895
Yxy	9.5379, 0.3180, 0.2162
Android (android.graphics.Color)	4286398589 (0xFF7D407D)
YUV	89.1930, 17.6529, 31.4027
Hunter-Lab	30.8835, 27.0513, -17.8368

Details

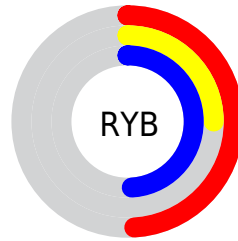
The CIELCh color $[37, 42.745, 326.895]$ is a dark color, and the websafe version is hex `663366`. A complement of this color would be $[47, 42.919, 140.709]$, and the grayscale version is $[38, 0.005, 296.813]$.

A 20% lighter version of the original color is $[57, 42.875, 326.800]$, and $[17, 42.950, 326.802]$ is the 20% darker color. If you saturate the color by 10%, you get $[35, 50.296, 327.305]$, and if you desaturate by 10%, it is $[40, 34.457, 326.434]$.

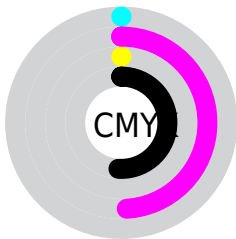
Distribution



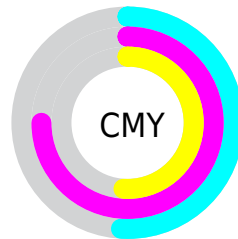
- Red (49%)
- Green (25%)
- Blue (49%)



- Red (49%)
- Yellow (25%)
- Blue (49%)



- Cyan (0%)
- Magenta (49%)
- Yellow (0%)
- Black (51%)





- Cyan (51%)
- Magenta (75%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 42.745, 326.895 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, 42.745, 326.895 by changing the saturation by 10% instead.


 37, 42.745,
326.895


 37, 42.745,
326.895

 100, 42.745,
326.895

 27, 42.745,
326.895

 57, 42.745,
326.895

 17, 42.745,
326.895


 67, 42.745,
326.895

 7, 42.745, 326.895

 77, 42.745,
326.895

 0, 42.745, 326.895

 87, 42.745,
326.895

 97, 42.745,
326.895

37, 42.745,
326.895

37, 42.745,
326.895

35, 50.296,
327.305

40, 34.457,
326.434

33, 56.796,
327.650

43, 25.725,
325.937

31, 61.945,
327.917

46, 16.780,
325.417

30, 65.539,
328.101

49, 7.797, 324.879

29, 67.913,
328.221

53, 1.100, 144.546

29, 68.206,
328.235

56, 9.831, 143.886

60, 18.347,
143.381

64, 26.621,
142.902

■ 67, 34.642,
142.448

Harmonies

Complementary

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



37, 42.745, 326.895



47, 42.919, 140.709

Rectangle

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



37, 42.745, 326.895



37, 42.745, 16.895



37, 42.745, 146.895



37, 42.745, 196.895

Sweetspot

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



37, 42.743, 326.895



61, 16.664, 325.237



30, 38.943, 296.825



30, 11.318, 325.328



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



37, 42.743, 326.895



45, 61.578, 327.330



36, 30.985, 348.543



25, 5.102, 324.899



30, 69.126, 328.235



0, 0.000, 0.000

Inverse Universe

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



37, 42.743, 326.895



45, 61.578, 327.330



48, 29.404, 158.826



25, 5.102, 324.899



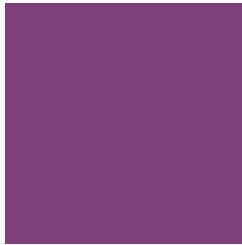
30, 69.126, 328.235



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 37, 42.745, 326.895 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, 42.745, 326.895 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

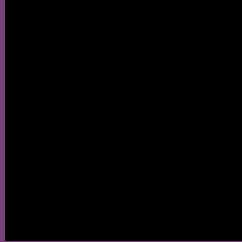
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 42.745, 326.895

Background



This preview shows how black text looks on a background with the CIELCh color 37, 42.745, 326.895.



This preview shows how white text looks on a background with the CIELCh color 37, 42.745, 326.895.

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, 42.745, 326.895

Protanopia

37, 35.333, 285.468

Deuteranopia

37, 21.136, 283.930



Tritanopia
37, 20.446, 14.256

Trichromacy



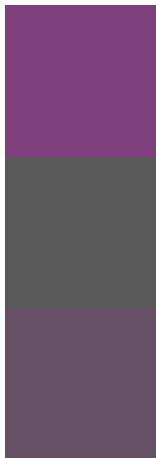
Original Color
37, 42.745, 326.895

Protanomaly
37, 36.723, 300.310

Deuteranomaly
37, 27.958, 306.283

Tritanomaly
37, 26.020, 348.213

Monochromacy



Original Color
37, 42.745, 326.895

Achromatopsia
38, 0.005, 296.813

Achromatomaly
37, 16.324, 325.538

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 42.745, 326.895 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(125, 64, 125)` looks like.

```
.text, #text, p{  
    color:rgb(125, 64, 125)  
}
```

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(125, 64, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 64, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 42.745, 326.895 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(125, 64, 125) }
```

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

```
.border{ border-color:rgb(125, 64, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 64, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 64, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 64, 125);  
box-shadow:4px 4px 4px 4px rgb(125, 64,  
125) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 42.745, 326.895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 64, 125) }
```

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

```
.background{ background-color: rgb(125, 64,  
125) }
```

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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