

Converting Colors

CIELCh(30, 37.013, 326.880)

Have a look what the booklet for
CIELCh(30, 37.013, 326.880)
contains.

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Color

CIELCh(30, 36.386, 326.857)

Conversions

Conversions Part 1

Format	Color
Hex	663466
RGB	102, 52, 102
RGB Percent	40%, 20%, 40%
CMY	0.6001, 0.7962, 0.6001
CMYK	0.00, 0.49, 0.00, 0.60
HSL	300°, 32%, 30%
HSV	300°, 49%, 40%
XYZ	9.1005, 6.2359, 13.2878
YIQ	72.6500, 13.7500, 26.1500

Conversions

Conversions Part 2

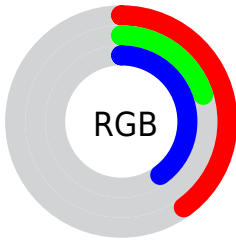
Format	Color
R_{YB}	102, 52, 102
Decimal	6698086
CIE _{Lab}	30.00, 30.47, -19.89
CIE _{LCh}	30, 36.386, 326.857
Yxy	6.2359, 0.3179, 0.2179
Android (android.graphics.Color)	4284888166 (0xFF663466)
YUV	72.6500, 14.4696, 25.7400
Hunter-Lab	24.9718, 21.3506, -14.0687

Details

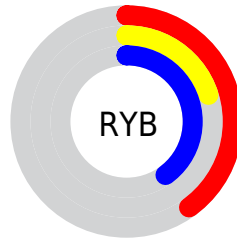
The CIELCh color $[30, 36.386, 326.857]$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $[39, 36.524, 140.791]$, and the grayscale version is $[31, 0.005, 296.813]$.

A 20% lighter version of the original color is $[50, 35.926, 326.780]$, and $[10, 36.679, 326.727]$ is the 20% darker color. If you saturate the color by 10%, you get $[28, 42.836, 327.263]$, and if you desaturate by 10%, it is $[32, 29.347, 326.403]$.

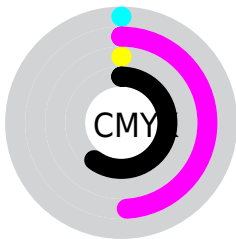
Distribution



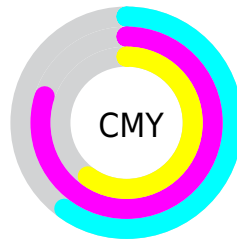
- Red (40%)
- Green (20%)
- Blue (40%)



- Red (40%)
- Yellow (20%)
- Blue (40%)



- Cyan (0%)
- Magenta (49%)
- Yellow (0%)
- Black (60%)





- Cyan (60%)
- Magenta (80%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 36.386, 326.857 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 30, 36.386, 326.857 by changing the saturation by 10% instead.


 30, 36.386,
326.857


 30, 36.386,
326.857

 100, 36.386,
326.857


 20, 36.386,
326.857


 50, 36.386,
326.857


 10, 36.386,
326.857

 60, 36.386,
326.857

 0, 36.386, 326.857

 70, 36.386,
326.857

 80, 36.386,
326.857

 90, 36.386,
326.857

■ 30, 36.386,
326.857

■ 30, 36.386,
326.857

■ 28, 42.836,
327.263

■ 32, 29.347,
326.403

■ 26, 48.446,
327.608

■ 35, 21.954,
325.916

■ 25, 52.969,
327.881

■ 38, 14.392,
325.407

■ 24, 56.222,
328.073

■ 41, 6.801, 324.882

■ 43, 0.720, 144.613

■ 23, 58.714,
328.218

■ 46, 8.105, 143.911

■ 23, 58.961,
328.233

■ 50, 15.315,
143.416

■ 53, 22.325,
142.945

■ 56, 29.127,
142.499

Harmonies

Complementary

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



30, 36.386, 326.857



39, 36.524, 140.791

Rectangle

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



30, 36.386, 326.857



30, 36.386, 16.857



30, 36.386, 146.857



30, 36.386, 196.857

Sweetspot

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



30, 36.385, 326.857



50, 14.062, 325.220



24, 33.044, 296.671



24, 9.521, 325.297



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



30, 36.385, 326.857



37, 52.873, 327.326



29, 26.358, 348.432



20, 4.229, 324.876



26, 64.101, 328.233



57, 111.164, 328.233

Inverse Universe

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



30, 36.385, 326.857



37, 52.873, 327.326



39, 25.025, 158.931



20, 4.229, 324.876



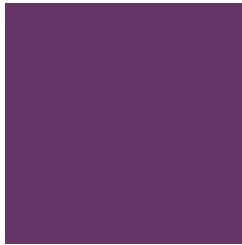
26, 64.101, 328.233



57, 111.164, 328.233

Previews

White Background



This preview shows how the CIELCh color 30, 36.386, 326.857 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 30, 36.386, 326.857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

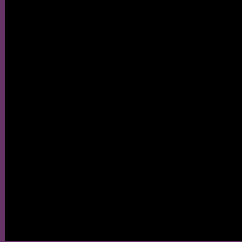
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 36.386, 326.857

Background



This preview shows how black text looks on a background with the CIELCh color 30, 36.386, 326.857.



This preview shows how white text looks on a background with the CIELCh color 30, 36.386, 326.857.

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

30, 36.386, 326.857

Protanopia

30, 30.208, 284.960

Deuteranopia

30, 18.675, 284.616



Tritanopia
30, 16.930, 14.061

Trichromacy



Original Color
30, 36.386, 326.857

Protanomaly
29, 31.602, 299.993

Deuteranomaly
30, 24.440, 306.793

Tritanomaly
30, 21.689, 348.188

Monochromacy



Original Color
30, 36.386, 326.857

Achromatopsia
31, 0.005, 296.813

Achromatomaly
30, 14.582, 325.562

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 36.386, 326.857 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(102, 52, 102)` looks like.

```
.text, #text, p{  
    color:rgb(102, 52, 102)  
}
```

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(102, 52, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 52, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 36.386, 326.857 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(102, 52, 102) }
```

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

```
.border{ border-color:rgb(102, 52, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 52, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(102, 52, 102); -webkit-box-shadow:4px 4px 4px 4px rgb(102, 52, 102); box-shadow:4px 4px 4px 4px rgb(102, 52, 102) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 36.386, 326.857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 52, 102) }
```

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

```
.background{ background-color: rgb(102, 52,  
102) }
```

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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