

Converting Colors

CIELCh(36, 10.494, 27.622)

Have a look what the booklet for
CIELCh(36, 10.494, 27.622) contains.

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Color

CIELCh(36, 10.494, 27.622)

Conversions

Conversions Part 1

Format	Color
Hex	664F4D
RGB	102, 79, 77
RGB Percent	40%, 31%, 30%
CMY	0.5990, 0.6892, 0.6971
CMYK	0.00, 0.23, 0.24, 0.60
HSL	5°, 14%, 35%
HSV	5°, 24%, 40%
XYZ	9.6723, 9.0082, 8.2966
YIQ	85.6490, 14.3500, 4.2540

Conversions

Conversions Part 2

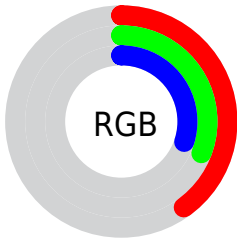
Format	Color
RYB	102, 79, 77
Decimal	6704973
CIELab	36.00, 9.30, 4.87
CIELCh	36, 10.494, 27.622
Yxy	9.0082, 0.3585, 0.3339
Android (android.graphics.Color)	4284895053 (0xFF664F4D)
YUV	85.6490, -4.2640, 14.3398
Hunter-Lab	30.0136, 5.0005, 4.6201

Details

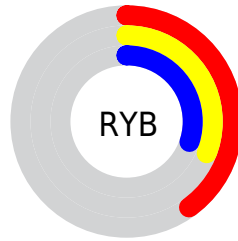
The CIELCh color **36, 10.494, 27.622** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **41, 8.964, 206.213**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 10.346, 26.742**, and **16, 10.084, 29.662** is the 20% darker color. If you saturate the color by 10%, you get **33, 15.356, 28.348**, and if you desaturate by 10%, it is **39, 5.969, 27.086**.

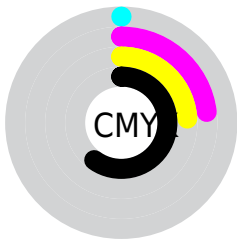
Distribution



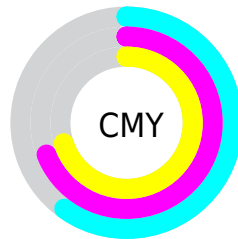
- Red (40%)
- Green (31%)
- Blue (30%)



- Red (40%)
- Yellow (31%)
- Blue (30%)



- Cyan (0%)
- Magenta (23%)
- Yellow (24%)
- Black (60%)



- Cyan (60%)
- Magenta (69%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 10.494, 27.622 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 36, 10.494, 27.622 by changing the saturation by 10% instead.

■ 36, 10.494, 27.622

■ 36, 10.494, 27.622

■ 100, 10.494,
27.622

■ 26, 10.494, 27.622

■ 56, 10.494, 27.622

■ 16, 10.494, 27.622

■ 66, 10.494, 27.622

■ 6, 10.494, 27.622

■ 76, 10.494, 27.622

■ 0, 10.494, 27.622

■ 86, 10.494, 27.622

■ 96, 10.494, 27.622

■ 36, 10.494, 27.622

■ 36, 10.494, 27.622

■ 33, 15.356, 28.348

■ 39, 5.969, 27.086

30, 20.549, 29.304

42, 1.772, 26.577

28, 26.036, 30.561

45, 2.119, 206.670

26, 31.743, 32.176

48, 5.730, 206.392

24, 37.541, 34.173

51, 9.090, 206.259

22, 43.166, 36.395

54, 12.227,
206.188

21, 47.446, 37.446

57, 15.166,
206.159

20, 49.451, 38.186

60, 17.932,
206.160

64, 20.544,
206.184

Harmonies

Complementary

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



36, 10.494, 27.622



41, 8.964, 206.213

Rectangle

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



36, 10.494, 27.622



36, 10.494, 77.622



36, 10.494, 207.622



36, 10.494, 257.622

Sweetspot

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



36, 10.493, 27.629



53, 3.478, 26.741



36, 17.737, 327.578



26, 2.244, 26.757



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



36, 10.493, 27.629



45, 15.719, 27.989



39, 9.942, 79.308



20, 2.263, 26.826



23, 54.775, 39.212



51, 99.488, 40.684

Inverse Universe

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



41, 8.964, 206.213



52, 12.916, 206.169



37, 9.584, 265.727



21, 2.145, 206.520



40, 25.262, 209.640



81, 43.614, 210.537

Previews

White Background



This preview shows how the CIELCh color 36, 10.494, 27.622 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 36, 10.494, 27.622 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

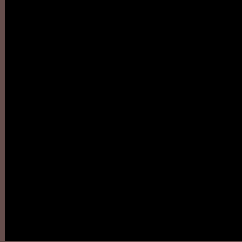
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 10.494, 27.622

Background



This preview shows how black text looks on a background with the CIELCh color 36, 10.494, 27.622.

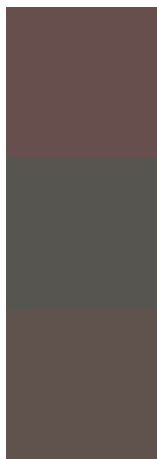


This preview shows how white text looks on a background with the CIELCh color 36, 10.494, 27.622.

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

36, 10.494, 27.622

Protanopia

36, 3.204, 93.824

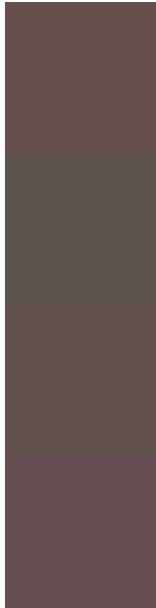
Deuteranopia

36, 7.026, 46.140



Tritanopia
36, 11.568, 2.632

Trichromacy



Original Color
36, 10.494, 27.622

Protanomaly
36, 5.080, 48.932

Deuteranomaly
36, 8.068, 38.159

Tritanomaly
36, 11.329, 8.651

Monochromacy



Original Color
36, 10.494, 27.622

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 3.537, 29.840

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 10.494, 27.622 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, 79, 77)` looks like.

```
.text, #text, p{  
    color:rgb(102, 79, 77)  
}
```

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, 79, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 79, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 10.494, 27.622 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, 79, 77) }
```

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

```
.border{ border-color:rgb(102, 79, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 79, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 79, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 79, 77);  
box-shadow:4px 4px 4px 4px rgb(102, 79,  
77) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 10.494, 27.622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 79, 77) }
```

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

```
.background{ background-color: rgb(102, 79,  
77) }
```

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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