

# Converting Colors

CIELCh(36, 19.918, 355.356)

Have a look what the booklet for  
CIELCh(36, 19.918, 355.356)  
contains.

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**Color**

**CIELCh(36, 19.883, 355.318)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	724958
RGB	114, 73, 88
RGB Percent	45%, 29%, 35%
CMY	0.5537, 0.7144, 0.6556
CMYK	0.00, 0.36, 0.23, 0.55
HSL	338°, 22%, 37%
HSV	338°, 36%, 45%
XYZ	11.0397, 9.0082, 10.3507
YIQ	86.9690, 19.6210, 13.3570

# Conversions

## Conversions Part 2

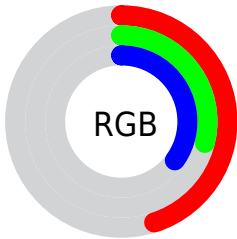
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	114, 73, 88
Decimal	7489880
CIE Lab	36.00, 19.82, -1.62
CIE LCh	36, 19.883, 355.318
Yxy	9.0082, 0.3632, 0.2963
Android (android.graphics.Color)	4285679960 (0xFF724958)
YUV	86.9690, 0.5083, 23.7062
Hunter-Lab	30.0136, 13.1324, 0.5623

# Details

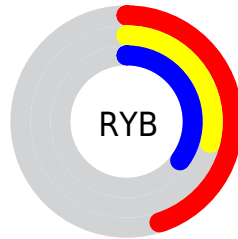
The CIELCh color **36, 19.883, 355.318** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **45, 18.385, 168.122**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 20.119, 354.985**, and **16, 20.061, 355.162** is the 20% darker color. If you saturate the color by 10%, you get **33, 25.479, 356.786**, and if you desaturate by 10%, it is **39, 14.228, 354.073**.

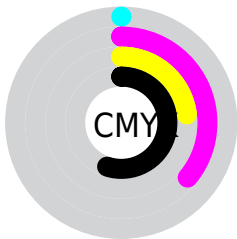
# Distribution



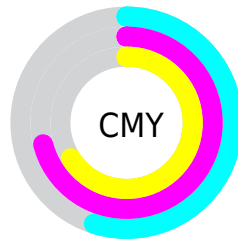
- Red (45%)
- Green (29%)
- Blue (35%)



- Red (45%)
- Yellow (29%)
- Blue (35%)



- Cyan (0%)
- Magenta (36%)
- Yellow (23%)
- Black (55%)




- Cyan (55%)
- Magenta (71%)
- Yellow (66%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 19.883, 355.318 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, 19.883, 355.318 by changing the saturation by 10% instead.





 36, 19.883,  
355.318


 36, 19.883,  
355.318

 100, 19.883,  
355.318


 26, 19.883,  
355.318

 56, 19.883,  
355.318


 16, 19.883,  
355.318


 66, 19.883,  
355.318

 6, 19.883, 355.318

 76, 19.883,  
355.318

 0, 19.883, 355.318

 86, 19.883,  
355.318

 96, 19.883,  
355.318

36, 19.883,  
355.318

36, 19.883,  
355.318

33, 25.479,  
356.786

39, 14.228,  
354.073

30, 30.845,  
358.547

42, 8.640, 352.986

46, 3.192, 351.983

28, 35.755, 0.706

49, 2.074, 171.382

26, 39.962, 3.397

53, 7.141, 170.523

24, 43.266, 6.773

56, 12.006,  
169.820

23, 45.770, 10.820

23, 46.830, 12.386

60, 16.674,  
169.186

63, 21.156,  
168.606

67, 25.465,



# Harmonies

# Complementary

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



36, 19.883, 355.318



45, 18.385, 168.122

# Rectangle

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



36, 19.883, 355.318



36, 19.883, 45.318



36, 19.883, 175.318



36, 19.883, 225.318

# Sweetspot

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



36, 19.881, 355.320



57, 7.304, 352.511



35, 27.425, 315.074



28, 4.884, 352.609



81, 0.010, 296.813



31, 0.005, 296.813





# Same Dimension

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



36, 19.881, 355.320



44, 29.516, 356.488



37, 16.925, 33.055



22, 2.966, 352.283



24, 48.626, 12.712



52, 83.826, 16.059



# Inverse Universe

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



36, 19.881, 355.320



44, 29.516, 356.488



43, 13.210, 212.506



22, 2.966, 352.283



24, 48.626, 12.712

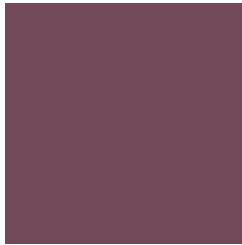


52, 83.826, 16.059



# Previews

## White Background



This preview shows how the CIELCh color 36, 19.883, 355.318 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 36, 19.883, 355.318 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

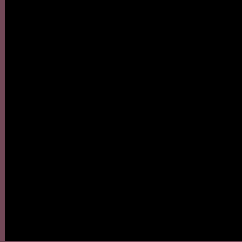
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 36, 19.883, 355.318

## Background



This preview shows how black text looks on a background with the CIELCh color 36, 19.883, 355.318.



This preview shows how white text looks on a background with the CIELCh color 36, 19.883, 355.318.

# 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, 19.883, 355.318

### Protanopia

36, 6.836, 291.302

### Deuteranopia

36, 5.360, 352.683





**Tritanopia**  
36, 17.810, 10.505

# Trichromacy



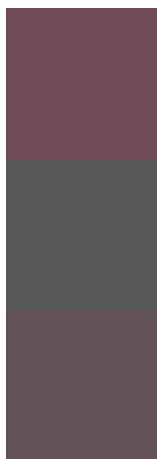
**Original Color**  
36, 19.883, 355.318

**Protanomaly**  
36, 9.800, 331.430

**Deuteranomaly**  
36, 10.726, 353.712

**Tritanomaly**  
36, 18.046, 4.701

# Monochromacy



**Original Color**  
36, 19.883, 355.318

**Achromatopsia**  
37, 0.005, 296.813

**Achromatomaly**  
36, 7.182, 355.055

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 36, 19.883, 355.318 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(114, 73, 88)` looks like.

```
.text, #text, p{  
    color:rgb(114, 73, 88)  
}
```

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(114, 73, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 73, 88) }
```

## Border

The CSS property to change the border of an element to CIELCh 36, 19.883, 355.318 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(114, 73, 88) }
```

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

```
.border{ border-color:rgb(114, 73, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 73, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 73, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 73, 88);  
box-shadow:4px 4px 4px 4px rgb(114, 73,  
88) }
```

# Background

The CSS property to change the background color of an element to CIELCh 36, 19.883, 355.318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 73, 88) }
```

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

```
.background{ background-color: rgb(114, 73,  
88) }
```

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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