

# Converting Colors

CIELCh(41, 22.544, 325.209)

Have a look what the booklet for  
CIELCh(41, 22.544, 325.209)  
contains.

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# Color

**CIELCh(41, 22.214, 324.885)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	755776
RGB	117, 87, 118
RGB Percent	46%, 34%, 46%
CMY	0.5418, 0.6594, 0.5379
CMYK	0.01, 0.26, 0.00, 0.54
HSL	298°, 15%, 40%
HSV	298°, 26%, 46%
XYZ	13.9686, 11.8645, 18.6410
YIQ	99.5040, 7.9290, 16.0010

# Conversions

## Conversions Part 2

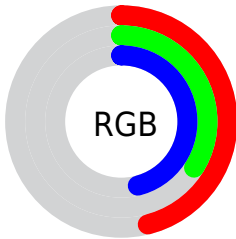
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	117, 87, 118
Decimal	7690102
CIE <sub>Lab</sub>	41.00, 18.17, -12.78
CIE <sub>LCh</sub>	41, 22.214, 324.885
Yxy	11.8645, 0.3141, 0.2668
Android (android.graphics.Color)	4285880182 (0xFF755776)
YUV	99.5040, 9.1185, 15.3440
Hunter-Lab	34.4449, 12.1092, -7.9753

# Details

The CIELCh color  $41, 22.214, 324.885$  is a dark color, and the websafe version is hex  $996699$ . A complement of this color would be  $47, 22.172, 141.980$ , and the grayscale version is  $42, 0.006, 296.813$ .

A 20% lighter version of the original color is  $61, 22.127, 324.630$ , and  $21, 22.434, 324.393$  is the 20% darker color. If you saturate the color by 10%, you get  $38, 30.552, 325.366$ , and if you desaturate by 10%, it is  $44, 13.742, 324.384$ .

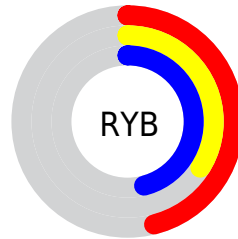
# Distribution



Red (46%)

Green (34%)

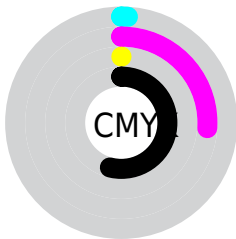
Blue (46%)



Red (46%)

Yellow (34%)

Blue (46%)

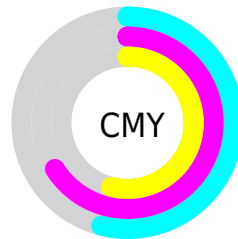


Cyan (1%)

Magenta (26%)

Yellow (0%)

Black (54%)



Cyan (54%)

Magenta (66%)

Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 22.214, 324.885 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 41, 22.214, 324.885 by changing the saturation by 10% instead.




 41, 22.214,  
324.885


 41, 22.214,  
324.885

 100, 22.214,  
324.885


 31, 22.214,  
324.885

 61, 22.214,  
324.885


 21, 22.214,  
324.885

 71, 22.214,  
324.885

 11, 22.214,  
324.885


 81, 22.214,  
324.885

 1, 22.214, 324.885

 91, 22.214,  
324.885

 0, 22.214, 324.885

 41, 22.214,

 41, 22.214,

324.885

38, 30.552,  
325.366

35, 38.563,  
325.814

33, 45.994,  
326.211

31, 52.549,  
326.541

29, 57.928,  
326.786

28, 61.886,  
326.933

27, 64.504,  
326.991

26, 65.421,  
327.010

324.885

44, 13.742,  
324.384

47, 5.284, 323.863

51, 3.065, 143.454


54, 11.242,  
142.929

58, 19.211,  
142.457

61, 26.952,  
142.010

65, 34.460,  
141.588

68, 41.736,  
141.191

 72, 48.786,  
140.821

# Harmonies

# Complementary

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



41, 22.214, 324.885



47, 22.172, 141.980

# Rectangle

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



41, 22.214, 324.885



41, 22.214, 14.885



41, 22.214, 144.885



41, 22.214, 194.885

# Sweetspot

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



41, 22.212, 324.885



60, 8.318, 323.965



38, 18.420, 291.838



30, 5.881, 324.032



82, 0.010, 296.813



33, 0.005, 296.813





# Same Dimension

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



41, 22.212, 324.885



50, 33.419, 325.201



41, 16.306, 344.072



23, 4.710, 324.009



28, 67.228, 327.005



58, 113.989, 326.938



# Inverse Universe

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



40, 13.711, 18.845



49, 21.113, 19.612



47, 15.883, 159.693



23, 2.751, 17.243



24, 58.142, 36.712

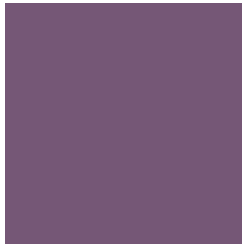


52, 101.727, 39.099



# Previews

## White Background



This preview shows how the CIELCh color 41, 22.214, 324.885 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 × Fail

# Black Background



This preview shows how the CIELCh color 41, 22.214, 324.885 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

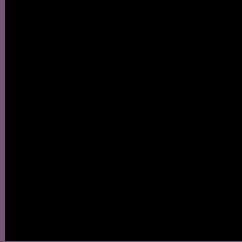
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 41, 22.214, 324.885

## Background



This preview shows how black text looks on a background with the CIELCh color 41, 22.214, 324.885.



This preview shows how white text looks on a background with the CIELCh color 41, 22.214, 324.885.

# 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

41, 22.214, 324.885

### Protanopia

41, 17.065, 285.320

### Deuteranopia

41, 12.796, 295.512





**Tritanopia**  
41, 10.644, 357.579

# Trichromacy



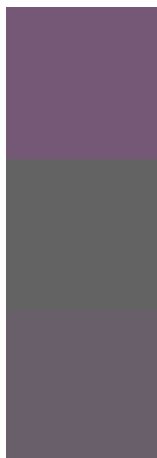
**Original Color**  
41, 22.214, 324.885

**Protanomaly**  
41, 17.881, 301.230

**Deuteranomaly**  
41, 15.971, 309.340

**Tritanomaly**  
41, 14.481, 339.580

# Monochromacy



**Original Color**  
41, 22.214, 324.885

**Achromatopsia**  
42, 0.006, 296.813

**Achromatomaly**  
42, 7.855, 322.429

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 41, 22.214, 324.885 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(117, 87, 118)` looks like.

```
.text, #text, p{  
    color:rgb(117, 87, 118)  
}
```

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(117, 87, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 87, 118) }
```

## Border

The CSS property to change the border of an element to CIELCh 41, 22.214, 324.885 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(117, 87, 118) }
```

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

```
.border{ border-color:rgb(117, 87, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 87, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 87, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 87, 118);  
box-shadow:4px 4px 4px 4px rgb(117, 87,  
118) }
```

# Background

The CSS property to change the background color of an element to CIELCh 41, 22.214, 324.885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 87, 118) }
```

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

```
.background{ background-color: rgb(117, 87,  
118) }
```

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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