

Converting Colors

CIELCh(42, 12.806, 339.685)

Have a look what the booklet for
CIELCh(42, 12.806, 339.685)
contains.

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Color

CIELCh(42, 12.714, 339.675)

Conversions

Conversions Part 1

Format	Color
Hex	745D6B
RGB	116, 93, 107
RGB Percent	45%, 36%, 42%
CMY	0.5467, 0.6368, 0.5819
CMYK	0.00, 0.20, 0.08, 0.55
HSL	323°, 11%, 41%
HSV	323°, 20%, 45%
XYZ	13.6630, 12.5000, 15.4943
YIQ	101.4730, 9.2140, 9.2300

Conversions

Conversions Part 2

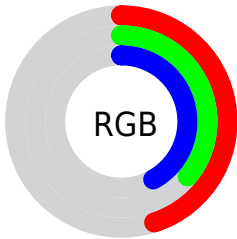
Format	Color
R_{YB}	116, 93, 107
Decimal	7626091
CIE Lab	42.00, 11.92, -4.42
CIE LCh	42, 12.714, 339.675
Yxy	12.5000, 0.3280, 0.3001
Android (android.graphics.Color)	4285816171 (0xFF745D6B)
YUV	101.4730, 2.7248, 12.7402
Hunter-Lab	35.3553, 7.1092, -1.2349

Details

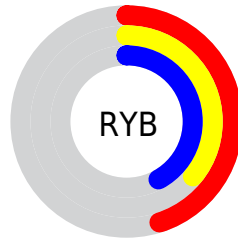
The CIELCh color $42, 12.714, 339.675$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $47, 12.541, 156.721$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 12.804, 339.736$, and $22, 12.860, 339.915$ is the 20% darker color. If you saturate the color by 10%, you get $39, 19.173, 340.516$, and if you desaturate by 10%, it is $45, 6.271, 338.891$.

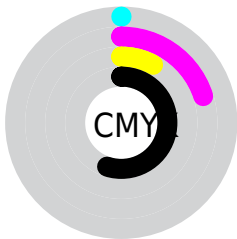
Distribution



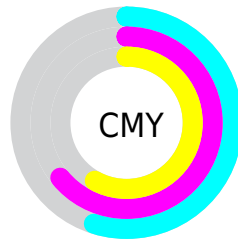
- Red (45%)
- Green (36%)
- Blue (42%)



- Red (45%)
- Yellow (36%)
- Blue (42%)



- Cyan (0%)
- Magenta (20%)
- Yellow (8%)
- Black (55%)





- Cyan (55%)
- Magenta (64%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 12.714, 339.675 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 42, 12.714, 339.675 by changing the saturation by 10% instead.


 42, 12.714,
339.675


 42, 12.714,
339.675


 100, 12.714,
339.675


 32, 12.714,
339.675

 62, 12.714,
339.675


 22, 12.714,
339.675


 72, 12.714,
339.675

 12, 12.714,
339.675


 82, 12.714,
339.675

 2, 12.714, 339.675

 92, 12.714,
339.675

 0, 12.714, 339.675

 42, 12.714,

 42, 12.714,

339.675

339.675

39, 19.173,
340.516

45, 6.271, 338.891

36, 25.528,
341.435

49, 0.070, 161.746

33, 31.594,
342.459

52, 6.261, 157.599

30, 37.134,
343.622

56, 12.278,
156.963

28, 41.860,
344.978

59, 18.110,
156.379

26, 45.481,
346.596

63, 23.758,
155.835

25, 47.775,
348.573

66, 29.226,
155.325

24, 49.278,
350.786

70, 34.524,
154.847

73, 39.662,

■ 24, 49.297,
350.812

154.397

Harmonies

Complementary

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



42, 12.714, 339.675



47, 12.541, 156.721

Rectangle

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



42, 12.714, 339.675



42, 12.714, 29.675



42, 12.714, 159.675



42, 12.714, 209.675

Sweetspot

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



42, 12.712, 339.677



60, 4.710, 338.596



41, 14.456, 305.926



31, 3.150, 338.635



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



42, 12.712, 339.677



52, 19.087, 340.066



42, 10.020, 11.543



23, 3.612, 338.826



26, 51.298, 351.001



55, 86.118, 352.774

Inverse Universe

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



42, 12.712, 339.677



52, 19.087, 340.066



47, 9.105, 188.320



23, 3.612, 338.826



26, 51.298, 351.001



55, 86.118, 352.774

Previews

White Background



This preview shows how the CIELCh color 42, 12.714, 339.675 looks on a white background.

Color Contrast Check

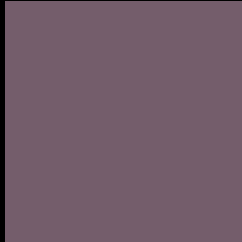
Large Text (above 18pt) WCAG AA ✓ Pass

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 42, 12.714, 339.675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

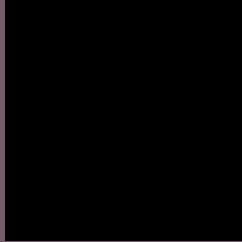
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 12.714, 339.675

Background



This preview shows how black text looks on a background with the CIELCh color 42, 12.714, 339.675.



This preview shows how white text looks on a background with the CIELCh color 42, 12.714, 339.675.

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


42, 12.714, 339.675

Protanopia

42, 6.650, 287.742

Deuteranopia

42, 7.338, 324.906



Tritanopia
42, 9.807, 355.383

Trichromacy



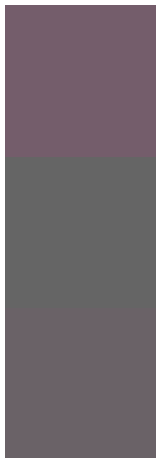
Original Color
42, 12.714, 339.675

Protanomaly
42, 7.823, 312.353

Deuteranomaly
42, 8.826, 331.777

Tritanomaly
42, 11.006, 347.811

Monochromacy



Original Color
42, 12.714, 339.675

Achromatopsia
43, 0.006, 296.813

Achromatomaly
42, 4.502, 337.954

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 12.714, 339.675 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(116, 93, 107)` looks like.

```
.text, #text, p{  
    color:rgb(116, 93, 107)  
}
```

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(116, 93, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 93, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 12.714, 339.675 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(116, 93, 107) }
```

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

```
.border{ border-color:rgb(116, 93, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 93, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 93, 107); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 93, 107); box-shadow:4px 4px 4px 4px rgb(116, 93, 107) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 12.714, 339.675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 93, 107) }
```

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

```
.background{ background-color: rgb(116, 93,  
107) }
```

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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