

Converting Colors

CIELCh(42, 9.650, 22.227)

Have a look what the booklet for
CIELCh(42, 9.650, 22.227) contains.

CIELCh(42, 9.590, 24.210)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(42, 9.590, 24.210)

Conversions

Conversions Part 1

Format	Color
Hex	745E5D
RGB	116, 94, 93
RGB Percent	45%, 37%, 36%
CMY	0.5452, 0.6315, 0.6354
CMYK	0.00, 0.19, 0.20, 0.55
HSL	3°, 11%, 41%
HSV	3°, 20%, 45%
XYZ	13.1720, 12.5000, 12.0669
YIQ	100.4640, 13.4330, 4.3530

Conversions

Conversions Part 2

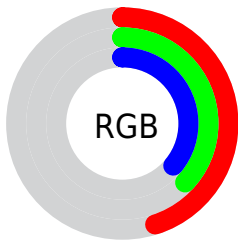
Format	Color
RYB	116, 94, 93
Decimal	7626333
CIELab	42.00, 8.75, 3.93
CIElCh	42, 9.590, 24.210
Yxy	12.5000, 0.3490, 0.3312
Android (android.graphics.Color)	4285816413 (0xFF745E5D)
YUV	100.4640, -3.6798, 13.6251
Hunter-Lab	35.3553, 4.6302, 4.5128

Details

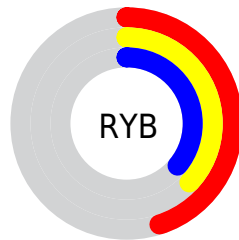
The CIELCh color $42, 9.590, 24.210$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $47, 8.455, 202.550$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 9.613, 23.614$, and $22, 9.389, 25.353$ is the 20% darker color. If you saturate the color by 10%, you get $39, 14.982, 25.028$, and if you desaturate by 10%, it is $45, 4.574, 23.573$.

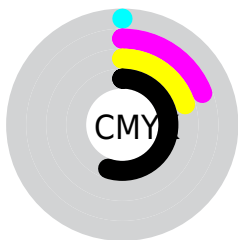
Distribution



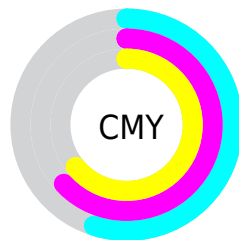
- Red (45%)
- Green (37%)
- Blue (36%)



- Red (45%)
- Yellow (37%)
- Blue (36%)



- Cyan (0%)
- Magenta (19%)
- Yellow (20%)
- Black (55%)



- Cyan (55%)
- Magenta (63%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 9.590, 24.210 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, 9.590, 24.210 by changing the saturation by 10% instead.

■ 42, 9.590, 24.210 ■ 42, 9.590, 24.210

■ 100, 9.590, 24.210 ■ 32, 9.590, 24.210

■ 62, 9.590, 24.210 ■ 22, 9.590, 24.210

■ 72, 9.590, 24.210 ■ 12, 9.590, 24.210

■ 82, 9.590, 24.210 ■ 2, 9.590, 24.210

■ 92, 9.590, 24.210 ■ 0, 9.590, 24.210

■ 42, 9.590, 24.210 ■ 42, 9.590, 24.210

■ 39, 14.982, 25.028 ■ 45, 4.574, 23.573

■ 36, 20.746, 26.082 ■ 49, 0.076, 208.137

■ 33, 26.839, 27.456 ■ 52, 4.385, 202.940

30, 33.176, 29.227

56, 8.387, 202.640

27, 39.614, 31.454

60, 12.113,
202.433

25, 45.937, 34.115

63, 15.595,
202.282

24, 51.596, 36.714

23, 55.712, 38.432

67, 18.862,
202.173

23, 55.780, 38.460

70, 21.940,
202.095

74, 24.852,
202.041

Harmonies

Complementary

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



42, 9.590, 24.210



47, 8.455, 202.550

Rectangle

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



42, 9.590, 24.210



42, 9.590, 74.210



42, 9.590, 204.210



42, 9.590, 254.210

Sweetspot

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



42, 9.589, 24.218



60, 3.407, 23.340



42, 16.305, 326.381



31, 2.282, 23.372



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, 9.589, 24.218



52, 14.628, 24.579



45, 8.664, 76.537



23, 2.635, 23.525



25, 58.430, 38.911



52, 102.461, 40.314

Inverse Universe

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



47, 8.455, 202.550



59, 12.475, 202.409



43, 8.332, 261.677



24, 2.495, 202.952



44, 27.501, 203.282



86, 46.491, 203.690

Previews

White Background



This preview shows how the CIELCh color 42, 9.590, 24.210 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 CIE LCh color 42, 9.590, 24.210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

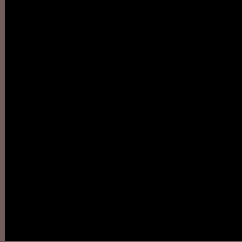
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 9.590, 24.210

Background



This preview shows how black text looks on a background with the CIELCh color 42, 9.590, 24.210.



This preview shows how white text looks on a background with the CIELCh color 42, 9.590, 24.210.

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, 9.590, 24.210

Protanopia

42, 2.194, 74.650

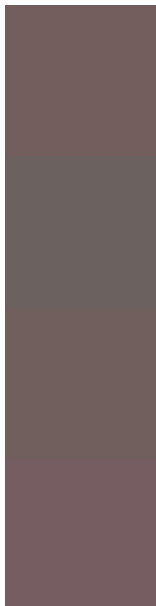
Deuteranopia

42, 6.738, 35.632



Tritanopia
42, 11.002, 358.511

Trichromacy



Original Color
42, 9.590, 24.210

Protanomaly
42, 4.432, 35.580

Deuteranomaly
42, 7.900, 29.084

Tritanomaly
42, 10.555, 7.741

Monochromacy



Original Color
42, 9.590, 24.210

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 3.435, 29.800

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 9.590, 24.210 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, 94, 93)` looks like.

```
.text, #text, p{  
    color:rgb(116, 94, 93)  
}
```

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, 94, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 94, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 9.590, 24.210 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, 94, 93) }
```

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

```
.border{ border-color:rgb(116, 94, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 94, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 94, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 94, 93);  
box-shadow:4px 4px 4px 4px rgb(116, 94,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 9.590, 24.210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 94, 93) }
```

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

```
.background{ background-color: rgb(116, 94,  
93) }
```

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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