

Converting Colors

CIELCh(45, 9.458, 104.623)

Have a look what the booklet for
CIELCh(45, 9.458, 104.623) contains.

CIELCh(45, 9.525, 103.603)	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(45, 9.525, 103.603)

Conversions

Conversions Part 1

Format	Color
Hex	6D6B5B
RGB	109, 107, 91
RGB Percent	43%, 42%, 36%
CMY	0.5723, 0.5801, 0.6429
CMYK	0.00, 0.02, 0.17, 0.57
HSL	53°, 9%, 39%
HSV	53°, 17%, 43%
XYZ	13.4712, 14.5417, 12.0095
YIQ	105.7740, 6.3280, -4.5520

Conversions

Conversions Part 2

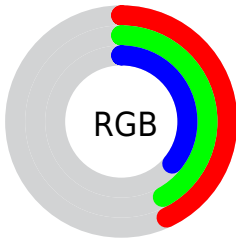
Format	Color
RYB	93, 109, 91
Decimal	7170907
CIELab	45.00, -2.24, 9.26
CIELCh	45, 9.525, 103.603
Yxy	14.5417, 0.3366, 0.3633
Android (android.graphics.Color)	4285360987 (0xFF6D6B5B)
YUV	105.7740, -7.2836, 2.8292
Hunter-Lab	38.1336, -3.6764, 8.0212

Details

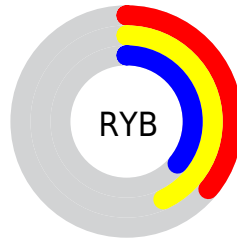
The CIELCh color **45, 9.525, 103.603** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **40, 9.784, 287.102**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 9.473, 101.911**, and **25, 9.802, 105.229** is the 20% darker color. If you saturate the color by 10%, you get **44, 15.288, 102.587**, and if you desaturate by 10%, it is **46, 3.748, 104.606**.

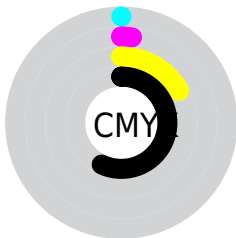
Distribution



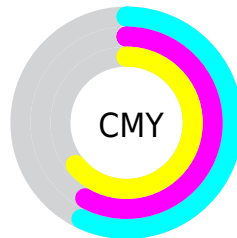
- Red (43%)
- Green (42%)
- Blue (36%)



- Red (36%)
- Yellow (43%)
- Blue (36%)



- Cyan (0%)
- Magenta (2%)
- Yellow (17%)
- Black (57%)



- Cyan (57%)
- Magenta (58%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 9.525, 103.603 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 45, 9.525, 103.603 by changing the saturation by 10% instead.

■ 45, 9.525, 103.603

■ 45, 9.525, 103.603

■ 100, 9.525,
103.603

■ 35, 9.525, 103.603

■ 65, 9.525, 103.603

■ 25, 9.525, 103.603

■ 75, 9.525, 103.603

■ 15, 9.525, 103.603

■ 85, 9.525, 103.603

■ 5, 9.525, 103.603

■ 95, 9.525, 103.603

■ 0, 9.525, 103.603

■ 45, 9.525, 103.603

■ 45, 9.525, 103.603

■ 44, 15.288,
102.587

■ 46, 3.748, 104.606

■ 44, 20.996,

■ 46, 2.020, 285.642

101.554

47, 7.765, 286.566

43, 26.584,
100.522

48, 13.477,
287.477

43, 31.950, 99.505

48, 19.150,
288.352

42, 36.933, 98.517

49, 24.781,
289.187

42, 41.298, 97.573

41, 44.740, 96.682

50, 30.367,
289.981

41, 47.232, 95.841

51, 35.907,
290.734

41, 48.143, 95.556

52, 41.399,
291.447

Harmonies

Complementary

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



45, 9.525, 103.603



40, 9.784, 287.102

Rectangle

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



45, 9.525, 103.603



45, 9.525, 153.603



45, 9.525, 283.603



45, 9.525, 333.603

Sweetspot

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



45, 9.526, 103.610



59, 3.592, 104.736



40, 7.849, 11.176



30, 2.434, 104.687



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



45, 9.526, 103.610



58, 14.399, 103.198



45, 11.081, 124.106



22, 3.192, 104.367



44, 50.674, 95.492



87, 86.855, 95.012

Inverse Universe

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



40, 9.784, 287.102



50, 14.889, 287.622



40, 11.380, 305.727



20, 3.242, 286.214



13, 69.488, 303.990



33, 124.036, 305.038

Previews

White Background



This preview shows how the CIELCh color 45, 9.525, 103.603 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 45, 9.525, 103.603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

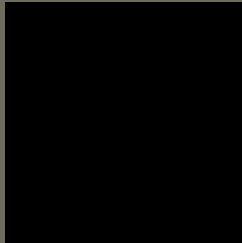
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

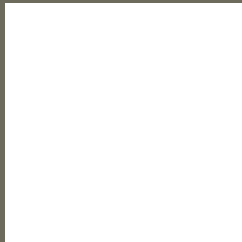
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 9.525, 103.603

Background



This preview shows how black text looks on a background with the CIELCh color 45, 9.525, 103.603.

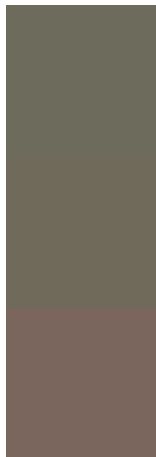


This preview shows how white text looks on a background with the CIELCh color 45, 9.525, 103.603.

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


45, 9.525, 103.603

Protanopia

45, 9.279, 92.558

Deuteranopia

45, 10.673, 53.884



Tritanopia
45, 5.806, 324.783

Trichromacy



Original Color
45, 9.525, 103.603

Protanomaly
45, 9.166, 95.186

Deuteranomaly
45, 9.145, 70.755

Tritanomaly
45, 2.563, 32.971

Monochromacy



Original Color
45, 9.525, 103.603

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 2.998, 101.728

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 9.525, 103.603 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(109, 107, 91)` looks like.

```
.text, #text, p{  
    color:rgb(109, 107, 91)  
}
```

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(109, 107, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 107, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 9.525, 103.603 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(109, 107, 91) }
```

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

```
.border{ border-color:rgb(109, 107, 91) }
```

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

Here you see how a box with a 4 pixel rgb(109, 107, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 107, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 107, 91);  
box-shadow:4px 4px 4px 4px rgb(109, 107,  
91) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 9.525, 103.603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 107, 91) }
```

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

```
.background{ background-color: rgb(109,  
107, 91) }
```

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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