

Converting Colors

CIELCh(45, 22.069, 95.848)

Have a look what the booklet for
CIELCh(45, 22.069, 95.848) contains.

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Color

CIELCh(45, 21.726, 94.821)

Conversions

Conversions Part 1

Format	Color
Hex	746A46
RGB	116, 106, 70
RGB Percent	45%, 42%, 27%
CMY	0.5440, 0.5832, 0.7245
CMYK	0.00, 0.09, 0.40, 0.54
HSL	47°, 25%, 37%
HSV	47°, 40%, 46%
XYZ	13.5355, 14.5417, 7.9304
YIQ	104.8860, 17.5160, -9.0760

Conversions

Conversions Part 2

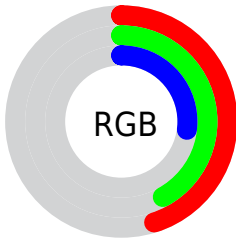
Format	Color
RYB	83, 116, 70
Decimal	7629382
CIELab	45.00, -1.83, 21.65
CIElCh	45, 21.726, 94.821
Yxy	14.5417, 0.3759, 0.4039
Android (android.graphics.Color)	4285819462 (0xFF746A46)
YUV	104.8860, -17.1988, 9.7470
Hunter-Lab	38.1336, -3.3753, 14.3634

Details

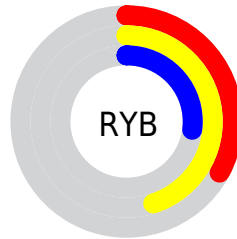
The CIELCh color **45, 21.726, 94.821** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **35, 22.638, 285.087**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 21.566, 94.375**, and **25, 21.540, 94.271** is the 20% darker color. If you saturate the color by 10%, you get **44, 27.167, 93.625**, and if you desaturate by 10%, it is **46, 16.217, 96.004**.

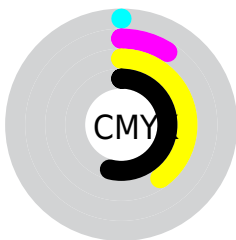
Distribution



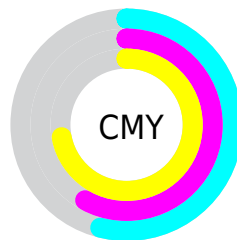
- Red (45%)
- Green (42%)
- Blue (27%)



- Red (33%)
- Yellow (45%)
- Blue (27%)



- Cyan (0%)
- Magenta (9%)
- Yellow (40%)
- Black (54%)





















- Cyan (54%)
- Magenta (58%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 21.726, 94.821 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, 21.726, 94.821 by changing the saturation by 10% instead.

 45, 21.726, 94.821	 45, 21.726, 94.821
 100, 21.726, 94.821	 35, 21.726, 94.821
 65, 21.726, 94.821	 25, 21.726, 94.821
 75, 21.726, 94.821	 15, 21.726, 94.821
 85, 21.726, 94.821	 5, 21.726, 94.821
 95, 21.726, 94.821	 0, 21.726, 94.821

 45, 21.726, 94.821	 45, 21.726, 94.821
 44, 27.167, 93.625	 46, 16.217, 96.004
 43, 32.433, 92.407	 47, 10.700, 97.156

■ 42, 37.347, 91.167

■ 48, 5.210, 98.270

■ 42, 41.637, 89.889

■ 49, 0.234, 279.861

■ 41, 44.927, 88.536

■ 50, 5.623, 280.451

■ 40, 47.542, 87.161

■ 51, 10.953,
281.449

■ 40, 47.665, 87.107

■ 52, 16.224,
282.410

■ 53, 21.435,
283.326

■ 55, 26.589,
284.198

Harmonies

Complementary

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



45, 21.726, 94.821



35, 22.638, 285.087

Rectangle

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



45, 21.726, 94.821



45, 21.726, 144.821



45, 21.726, 274.821



45, 21.726, 324.821

Sweetspot

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



45, 21.727, 94.825



61, 8.072, 97.972



35, 21.362, 5.300



32, 5.399, 97.866



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



45, 21.727, 94.825



57, 31.821, 93.795



47, 27.141, 118.248



24, 3.082, 98.328



42, 49.424, 87.008



82, 83.396, 85.981

Inverse Universe

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



35, 22.638, 285.087



41, 33.626, 286.840



33, 29.454, 303.416



23, 3.112, 280.392



16, 64.514, 300.824



37, 114.911, 302.348

Previews

White Background



This preview shows how the CIELCh color 45, 21.726, 94.821 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, 21.726, 94.821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

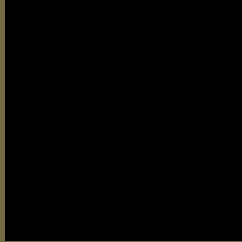
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 21.726, 94.821

Background



This preview shows how black text looks on a background with the CIELCh color 45, 21.726, 94.821.



This preview shows how white text looks on a background with the CIELCh color 45, 21.726, 94.821.

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, 21.726, 94.821

Protanopia

45, 21.726, 94.821

Deuteranopia

45, 22.272, 74.432



Tritanopia
45, 9.570, 350.873

Trichromacy



Original Color
45, 21.726, 94.821

Protanomaly
45, 21.726, 94.821

Deuteranomaly
45, 21.756, 82.014

Tritanomaly
45, 8.443, 54.182

Monochromacy



Original Color
45, 21.726, 94.821

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 7.922, 96.457

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 21.726, 94.821 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, 106, 70)` looks like.

```
.text, #text, p{  
    color:rgb(116, 106, 70)  
}
```

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, 106, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 106, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 21.726, 94.821 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, 106, 70) }
```

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

```
.border{ border-color:rgb(116, 106, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 106, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 106, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 106, 70);  
box-shadow:4px 4px 4px 4px rgb(116, 106,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 21.726, 94.821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 106, 70) }
```

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

```
.background{ background-color: rgb(116,  
106, 70) }
```

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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