

Converting Colors

CIELCh(45, 24.613, 143.422)

Have a look what the booklet for
CIELCh(45, 24.613, 143.422)
contains.

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Color

CIELCh(45, 24.912, 143.193)

Conversions

Conversions Part 1

Format	Color
Hex	507351
RGB	80, 115, 81
RGB Percent	31%, 45%, 32%
CMY	0.6865, 0.5493, 0.6826
CMYK	0.30, 0.00, 0.30, 0.55
HSL	122°, 18%, 38%
HSV	122°, 30%, 45%
XYZ	10.9085, 14.5417, 10.0039
YIQ	100.6590, -9.9460, -17.9940

Conversions

Conversions Part 2

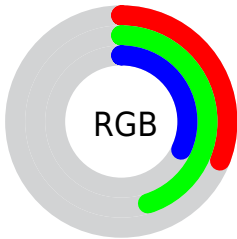
Format	Color
RYB	80, 114, 115
Decimal	5272401
CIELab	45.00, -19.95, 14.93
CIElCh	45, 24.912, 143.193
Yxy	14.5417, 0.3077, 0.4102
Android (android.graphics.Color)	4283462481 (0xFF507351)
YUV	100.6590, -9.6919, -18.1179
Hunter-Lab	38.1336, -15.6718, 11.1395

Details

The CIELCh color **45, 24.912, 143.193** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **39, 24.915, 326.806**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 25.105, 143.026**, and **25, 25.203, 143.277** is the 20% darker color. If you saturate the color by 10%, you get **44, 32.920, 142.306**, and if you desaturate by 10%, it is **46, 16.733, 143.968**.

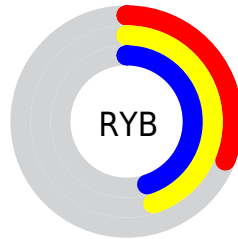
Distribution



Red (31%)

Green (45%)

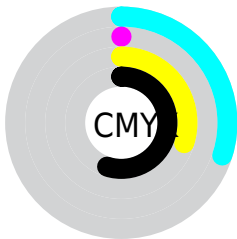
Blue (32%)



Red (31%)

Yellow (45%)

Blue (45%)

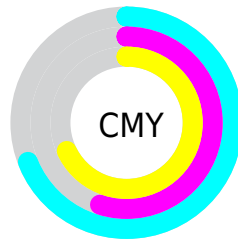


Cyan (30%)

Magenta (0%)

Yellow (30%)

Black (55%)



Cyan (69%)


Magenta (55%)

Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 24.912, 143.193 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, 24.912, 143.193 by changing the saturation by 10% instead.


 45, 24.912,
143.193


 45, 24.912,
143.193


 100, 24.912,
143.193


 35, 24.912,
143.193

 65, 24.912,
143.193


 25, 24.912,
143.193

 75, 24.912,
143.193

 15, 24.912,
143.193

 85, 24.912,
143.193

 5, 24.912, 143.193

 95, 24.912,
143.193

 0, 24.912, 143.193

 45, 24.912,

 45, 24.912,

143.193

143.193

■ 44, 32.920,
142.306

■ 46, 16.733,
143.968

■ 43, 40.583,
141.306

■ 47, 8.514, 144.641

■ 43, 47.693,
140.214

■ 48, 0.360, 145.680

■ 50, 7.658, 325.651

■ 42, 54.005,
139.076

■ 51, 15.488,
326.077

■ 42, 59.246,
137.980

■ 53, 23.099,
326.436

■ 42, 63.146,
137.042

■ 54, 30.475,
326.743

■ 42, 65.859,
136.422

■ 56, 37.609,
327.007

■ 58, 44.502,

Harmonies

Complementary

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



45, 24.912, 143.193



39, 24.915, 326.806

Rectangle

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



45, 24.912, 143.193



45, 24.912, 193.193



45, 24.912, 323.193



45, 24.912, 13.193

Sweetspot

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



45, 24.913, 143.193



61, 9.134, 144.718



48, 20.365, 108.115



32, 6.402, 144.643



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, 24.913, 143.193



57, 37.614, 142.536



45, 17.285, 161.863



24, 4.658, 144.729



44, 68.939, 136.394



86, 117.502, 136.175

Inverse Universe

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



39, 24.915, 326.806



48, 37.572, 327.189



38, 17.970, 347.283



23, 4.666, 325.665



28, 65.693, 329.361



59, 111.242, 329.425

Previews

White Background



This preview shows how the CIELCh color 45, 24.912, 143.193 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 45, 24.912, 143.193 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, 24.912, 143.193

Background



This preview shows how black text looks on a background with the CIELCh color 45, 24.912, 143.193.



This preview shows how white text looks on a background with the CIELCh color 45, 24.912, 143.193.

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, 24.912, 143.193

Protanopia

45, 17.537, 95.756

Deuteranopia

45, 14.721, 66.270



Tritanopia
45, 9.960, 231.420

Trichromacy



Original Color
45, 24.912, 143.193

Protanomaly
45, 18.524, 117.225

Deuteranomaly
45, 14.207, 106.350

Tritanomaly
45, 11.817, 177.285

Monochromacy



Original Color
45, 24.912, 143.193

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 9.050, 145.892

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 24.912, 143.193 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(80, 115, 81)` looks like.

```
.text, #text, p{  
    color:rgb(80, 115, 81)  
}
```

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(80, 115, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 115, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 24.912, 143.193 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(80, 115, 81) }
```

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

```
.border{ border-color:rgb(80, 115, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 115, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 115, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 115, 81);  
box-shadow:4px 4px 4px 4px rgb(80, 115,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 24.912, 143.193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 115, 81) }
```

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

```
.background{ background-color: rgb(80, 115,  
81) }
```

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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