

Converting Colors

CIELCh(45, 25.524, 139.341)

Have a look what the booklet for
CIELCh(45, 25.524, 139.341)
contains.

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Color

CIELCh(45, 25.924, 139.656)

Conversions

Conversions Part 1

Format	Color
Hex	52734E
RGB	82, 115, 78
RGB Percent	32%, 45%, 31%
CMY	0.6793, 0.5499, 0.6949
CMYK	0.29, 0.00, 0.32, 0.55
HSL	114°, 19%, 38%
HSV	114°, 32%, 45%
XYZ	10.9338, 14.5417, 9.3989
YIQ	100.9150, -7.7910, -18.5030

Conversions

Conversions Part 2

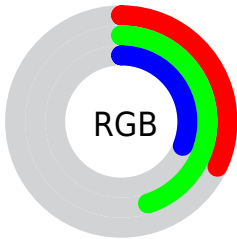
Format	Color
R_{YB}	78, 115, 111
Decimal	5403470
CIE _{Lab}	45.00, -19.76, 16.78
CIE _{LCh}	45, 25.924, 139.656
Yxy	14.5417, 0.3135, 0.4170
Android (android.graphics.Color)	4283593550 (0xFF52734E)
YUV	100.9150, -11.2971, -16.5885
Hunter-Lab	38.1336, -15.5536, 12.0801

Details

The CIELCh color $45, 25.924, 139.656$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $38, 26.097, 322.949$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 26.068, 139.700$, and $25, 26.275, 139.664$ is the 20% darker color. If you saturate the color by 10%, you get $44, 33.795, 138.922$, and if you desaturate by 10%, it is $46, 17.888, 140.316$.

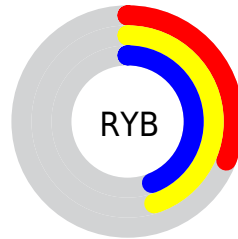
Distribution



Red (32%)

Green (45%)

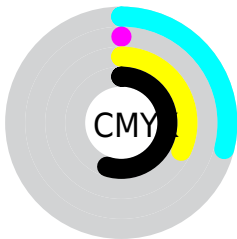
Blue (31%)



Red (31%)

Yellow (45%)

Blue (44%)

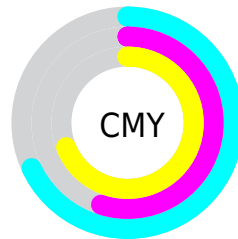


Cyan (29%)

Magenta (0%)

Yellow (32%)

Black (55%)



Cyan (68%)


Magenta (55%)


Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 25.924, 139.656 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, 25.924, 139.656 by changing the saturation by 10% instead.


 45, 25.924,
139.656


 45, 25.924,
139.656


 100, 25.924,
139.656


 35, 25.924,
139.656

 65, 25.924,
139.656


 25, 25.924,
139.656

 75, 25.924,
139.656

 15, 25.924,
139.656

 85, 25.924,
139.656

 5, 25.924, 139.656

 95, 25.924,
139.656

 0, 25.924, 139.656

 45, 25.924,

 45, 25.924,

139.656

■ 44, 33.795,
138.922

■ 43, 41.335,
138.130

■ 43, 48.339,
137.319

■ 42, 54.548,
136.555

■ 42, 59.656,
135.942

■ 42, 63.375,
135.591

■ 42, 65.731,
135.219

139.656

■ 46, 17.888,
140.316

■ 47, 9.805, 140.901

■ 48, 1.769, 141.475

■ 49, 6.155, 321.794

■ 51, 13.921,
322.179

■ 52, 21.499,
322.500

■ 53, 28.872,
322.773

■ 55, 36.031,
323.005

■ 57, 42.975,

Harmonies

Complementary

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



45, 25.924, 139.656



38, 26.097, 322.949

Rectangle

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



45, 25.924, 139.656



45, 25.924, 189.656



45, 25.924, 319.656



45, 25.924, 9.656

Sweetspot

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



45, 25.925, 139.657



61, 10.000, 141.008



46, 19.253, 101.676



32, 6.880, 140.948



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, 25.925, 139.657



57, 39.024, 139.089



45, 20.269, 155.225



24, 4.587, 141.074



44, 68.870, 135.268



86, 117.297, 135.607

Inverse Universe

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



38, 26.097, 322.949



47, 39.305, 323.283



38, 20.665, 340.333



23, 4.603, 321.881



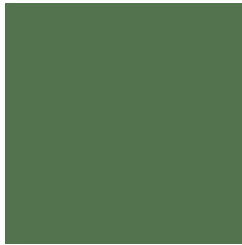
26, 67.609, 324.196



55, 114.690, 323.979

Previews

White Background



This preview shows how the CIE LCh color 45, 25.924, 139.656 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, 25.924, 139.656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

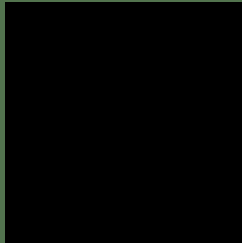
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 25.924, 139.656

Background



This preview shows how black text looks on a background with the CIELCh color 45, 25.924, 139.656.



This preview shows how white text looks on a background with the CIELCh color 45, 25.924, 139.656.

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, 25.924, 139.656

Protanopia

45, 19.353, 95.159

Deuteranopia

45, 16.444, 68.849



Tritanopia
45, 9.101, 230.451

Trichromacy



Original Color
45, 25.924, 139.656

Protanomaly
45, 20.163, 114.983

Deuteranomaly
45, 15.980, 104.675

Tritanomaly
45, 11.720, 170.757

Monochromacy



Original Color
45, 25.924, 139.656

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 9.305, 141.751

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 25.924, 139.656 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(82, 115, 78)` looks like.

```
.text, #text, p{  
    color:rgb(82, 115, 78)  
}
```

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(82, 115, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 115, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 25.924, 139.656 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(82, 115, 78) }
```

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

```
.border{ border-color:rgb(82, 115, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 115, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 115, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 115, 78);  
box-shadow:4px 4px 4px 4px rgb(82, 115,  
78) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 25.924, 139.656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 115, 78) }
```

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

```
.background{ background-color: rgb(82, 115,  
78) }
```

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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