

Converting Colors

CIELCh(43, 45.870, 135.382)

Have a look what the booklet for
CIELCh(43, 45.870, 135.382)
contains.

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Color

CIELCh(43, 45.709, 135.327)

Conversions

Conversions Part 1

Format	Color
Hex	3B722D
RGB	59, 114, 45
RGB Percent	23%, 45%, 18%
CMY	0.7686, 0.5529, 0.8235
CMYK	0.48, 0.00, 0.61, 0.55
HSL	108°, 43%, 31%
HSV	108°, 61%, 45%
XYZ	8.2974, 13.1578, 4.5864
YIQ	89.6890, -10.6310, -33.1190

Conversions

Conversions Part 2

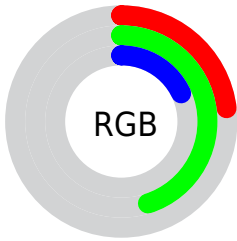
Format	Color
R _Y B	45, 114, 100
Decimal	3895853
CIE Lab	43.00, -32.51, 32.14
CIE LCh	43, 45.709, 135.327
Yxy	13.1578, 0.3186, 0.5053
Android (android.graphics.Color)	4282085933 (0xFF3B722D)
YUV	89.6890, -22.0317, -26.9143
Hunter-Lab	36.2736, -22.6477, 17.8950

Details

The CIELCh color **43, 45.709, 135.327** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **29, 46.644, 321.054**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 45.498, 135.093**, and **23, 44.348, 136.449** is the 20% darker color. If you saturate the color by 10%, you get **43, 52.005, 134.771**, and if you desaturate by 10%, it is **44, 38.749, 135.960**.

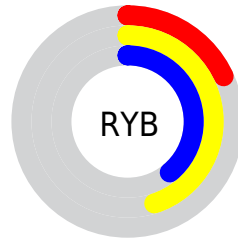
Distribution



 Red (23%)

 Green (45%)

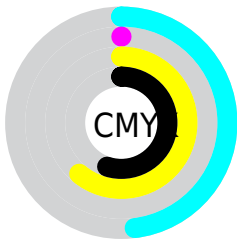
 Blue (18%)



 Red (18%)

 Yellow (45%)

 Blue (39%)

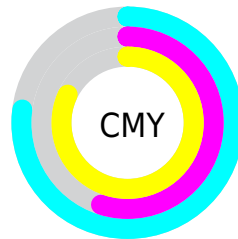


 Cyan (48%)


 Magenta (0%)

 Yellow (61%)

 Black (55%)



 Cyan (77%)


 Magenta (55%)


 Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 45.709, 135.327 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 43, 45.709, 135.327 by changing the saturation by 10% instead.


 43, 45.709,
135.327


 43, 45.709,
135.327


 100, 45.709,
135.327


 33, 45.709,
135.327

 63, 45.709,
135.327


 23, 45.709,
135.327

 73, 45.709,
135.327

 13, 45.709,
135.327

 83, 45.709,
135.327

 3, 45.709, 135.327

 93, 45.709,
135.327

 0, 45.709, 135.327

 43, 45.709,

 43, 45.709,

135.327

135.327

■ 43, 52.005,
134.771

■ 44, 38.749,
135.960

■ 42, 57.348,
134.385

■ 44, 31.355,
136.600

■ 42, 61.440,
134.284

■ 45, 23.705,
137.211

■ 42, 64.536,
134.181

■ 46, 15.933,
137.772

■ 47, 8.138, 138.280

■ 48, 0.393, 139.054

■ 49, 7.249, 319.069

■ 50, 14.753,
319.412

■ 52, 22.093,

Harmonies

Complementary

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



43, 45.709, 135.327



29, 46.644, 321.054

Rectangle

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



43, 45.709, 135.327



43, 45.709, 185.327



43, 45.709, 315.327



43, 45.709, 5.327

Sweetspot

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



43, 45.710, 135.328



59, 17.291, 137.881



42, 32.408, 92.362



30, 11.944, 137.759



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



43, 45.710, 135.328



54, 65.724, 134.575



43, 39.654, 147.909



23, 4.290, 138.355



44, 66.927, 134.238



86, 115.118, 134.786

Inverse Universe

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



29, 46.644, 321.054



34, 66.892, 321.271



30, 39.612, 338.120



22, 4.314, 319.080



23, 67.339, 320.865



50, 115.194, 320.474

Previews

White Background



This preview shows how the CIELCh color 43, 45.709, 135.327 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 43, 45.709, 135.327 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 43, 45.709, 135.327

Background



This preview shows how black text looks on a background with the CIELCh color 43, 45.709, 135.327.



This preview shows how white text looks on a background with the CIELCh color 43, 45.709, 135.327.

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

43, 45.709, 135.327

Protanopia

43, 35.050, 95.348

Deuteranopia

43, 30.788, 79.583



Tritanopia
43, 13.325, 219.424

Trichromacy



Original Color
43, 45.709, 135.327

Protanomaly
42, 36.913, 114.455

Deuteranomaly
42, 31.869, 108.003

Tritanomaly
43, 20.914, 161.925

Monochromacy



Original Color
43, 45.709, 135.327

Achromatopsia
38, 0.005, 296.813

Achromatomaly
40, 17.482, 137.619

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 45.709, 135.327 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(59, 114, 45)` looks like.

```
.text, #text, p{  
    color:rgb(59, 114, 45)  
}
```

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(59, 114, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 114, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 45.709, 135.327 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(59, 114, 45) }
```

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

```
.border{ border-color:rgb(59, 114, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 114, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 114, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 114, 45);  
box-shadow:4px 4px 4px 4px rgb(59, 114,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 45.709, 135.327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 114, 45) }
```

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

```
.background{ background-color: rgb(59, 114,  
45) }
```

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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