

Converting Colors

CIELCh(43, 45.626, 146.004)

Have a look what the booklet for
CIELCh(43, 45.626, 146.004)
contains.

CIELCh(43, 45.720, 145.941)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(43, 45.720, 145.941)

Conversions

Conversions Part 1

Format	Color
Hex	247439
RGB	36, 116, 57
RGB Percent	14%, 45%, 22%
CMY	0.8589, 0.5451, 0.7765
CMYK	0.69, 0.00, 0.51, 0.55
HSL	136°, 53%, 30%
HSV	136°, 69%, 45%
XYZ	7.7090, 13.1578, 6.0027
YIQ	85.3540, -28.7410, -35.3090

Conversions

Conversions Part 2

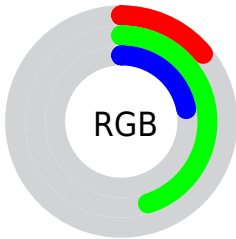
Format	Color
R_{YB}	36, 99, 116
Decimal	2389049
CIE _{Lab}	43.00, -37.88, 25.61
CIE _{LCh}	43, 45.720, 145.941
Yxy	13.1578, 0.2869, 0.4897
Android (android.graphics.Color)	4280579129 (0xFF247439)
YUV	85.3540, -13.9785, -43.2835
Hunter-Lab	36.2736, -25.5433, 15.5800

Details

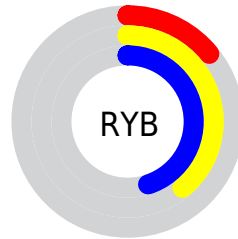
The CIELCh color $43, 45.720, 145.941$ is a dark color, and the websafe version is hex 006633 . A complement of this color would be $29, 44.989, 337.926$, and the grayscale version is $36, 0.005, 296.813$.

A 20% lighter version of the original color is $63, 46.006, 145.942$, and $24, 41.441, 140.265$ is the 20% darker color. If you saturate the color by 10%, you get $43, 50.905, 144.369$, and if you desaturate by 10%, it is $43, 39.935, 147.359$.

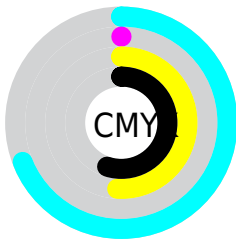
Distribution



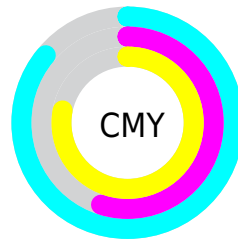
- Red (14%)
- Green (45%)
- Blue (22%)



- Red (14%)
- Yellow (39%)
- Blue (45%)



- Cyan (69%)
- Magenta (0%)
- Yellow (51%)
- Black (55%)





- Cyan (86%)
- Magenta (55%)
- Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 45.720, 145.941 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, 45.720, 145.941 by changing the saturation by 10% instead.


 43, 45.720,
145.941


 43, 45.720,
145.941


 100, 45.720,
145.941


 33, 45.720,
145.941

 63, 45.720,
145.941


 23, 45.720,
145.941

 73, 45.720,
145.941

 13, 45.720,
145.941

 83, 45.720,
145.941

 3, 45.720, 145.941

 93, 45.720,
145.941

 0, 45.720, 145.941

 43, 45.720,

 43, 45.720,

145.941

■ 43, 50.905,
144.369

■ 42, 55.387,
142.672

■ 42, 59.227,
141.051

■ 42, 59.597,
140.910

145.941

■ 43, 39.935,
147.359

■ 44, 33.668,
148.616

■ 45, 27.046,
149.718

■ 46, 20.195,
150.681

■ 47, 13.225,
151.523

■ 48, 6.231, 152.272

■ 49, 0.712, 332.568

■ 50, 7.546, 333.411

■ 52, 14.233,

333.925

Harmonies

Complementary

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



43, 45.720, 145.941



29, 44.989, 337.926

Rectangle

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



43, 45.720, 145.941



43, 45.720, 195.941



43, 45.720, 325.941



43, 45.720, 15.941

Sweetspot

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



43, 45.720, 145.941



59, 18.119, 151.318



46, 44.733, 116.260



31, 12.361, 151.140



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



43, 45.720, 145.941



55, 64.861, 143.341



44, 29.498, 172.088



24, 3.943, 152.267



44, 62.107, 140.791



86, 107.990, 139.706

Inverse Universe

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



29, 44.989, 337.926



35, 61.211, 339.621



27, 37.292, 10.505



23, 3.960, 333.345



26, 55.312, 341.591



56, 92.876, 342.554

Previews

White Background



This preview shows how the CIELCh color 43, 45.720, 145.941 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 43, 45.720, 145.941 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, 45.720, 145.941

Background



This preview shows how black text looks on a background with the CIELCh color 43, 45.720, 145.941.



This preview shows how white text looks on a background with the CIELCh color 43, 45.720, 145.941.

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, 45.720, 145.941

Protanopia

43, 29.222, 95.434

Deuteranopia

43, 24.086, 76.034



Tritanopia
43, 18.229, 215.000

Trichromacy



Original Color
43, 45.720, 145.941

Protanomaly
42, 31.912, 124.080

Deuteranomaly
42, 25.926, 118.676

Tritanomaly
43, 24.663, 173.522

Monochromacy



Original Color
43, 45.720, 145.941

Achromatopsia
36, 0.005, 296.813

Achromatomaly
38, 17.834, 151.124

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 45.720, 145.941 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(36, 116, 57)` looks like.

```
.text, #text, p{  
    color:rgb(36, 116, 57)  
}
```

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(36, 116, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 116, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 45.720, 145.941 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(36, 116, 57) }
```

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

```
.border{ border-color:rgb(36, 116, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 116, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 116, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 116, 57);  
box-shadow:4px 4px 4px 4px rgb(36, 116,  
57) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 45.720, 145.941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 116, 57) }
```

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

```
.background{ background-color: rgb(36, 116,  
57) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor