

Converting Colors

CIELCh(6, 52.258, 321.245)

Have a look what the booklet for
CIELCh(6, 52.258, 321.245) contains.

CIELCh(8, 43.552, 319.413)	3
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Color

CIELCh(8, 43.552, 319.413)

Conversions

Conversions Part 1	
Format	Color
Hex	2D003E
RGB	45, 0, 62
RGB Percent	18%, 0%, 24%
CMY	0.8241, 1.0000, 0.7573
CMYK	0.28, 1.00, 0.00, 0.76
HSL	283°, 100%, 12%
HSV	283°, 100%, 24%
XYZ	1.9348, 0.8856, 4.6114
YIQ	20.5230, 6.9180, 28.8220

Conversions

Conversions Part 2

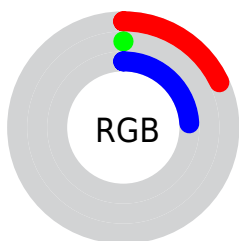
Format	Color
RYB	45, 0, 62
Decimal	2949182
CIELab	8.00, 33.07, -28.34
CIELCh	8, 43.552, 319.413
Yxy	0.8856, 0.2603, 0.1192
Android (android.graphics.Color)	4281139262 (0xFF2D003E)
YUV	20.5230, 20.4482, 21.4663
Hunter-Lab	9.4109, 20.2296, -22.4652

Details

The CIELCh color **8, 43.552, 319.413** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **22, 40.590, 132.710**, and the grayscale version is **6, 0.002, 296.812**.

A 20% lighter version of the original color is **28, 42.872, 319.377**, and **1, 7.046, 287.923** is the 20% darker color. If you saturate the color by 10%, you get **8, 43.080, 319.279**, and if you desaturate by 10%, it is **10, 39.242, 319.054**.

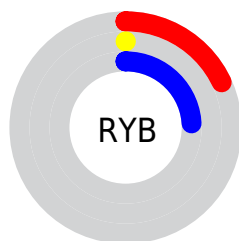
Distribution



Red (18%)

Green (0%)

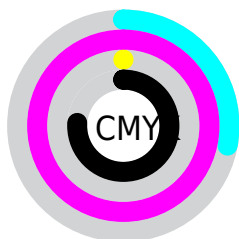
Blue (24%)



Red (18%)

Yellow (0%)

Blue (24%)

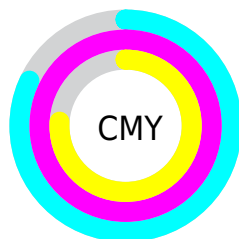


Cyan (28%)

Magenta (100%)

Yellow (0%)

Black (76%)



Cyan (82%)

Magenta (100%)

Yellow (76%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 8, 43.552, 319.413 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 8, 43.552, 319.413 by changing the saturation by 10% instead.


 8, 43.552, 319.413


 8, 43.552, 319.413


 98, 43.552,
319.413


 0, 43.552, 319.413


 28, 43.552,
319.413

 38, 43.552,
319.413

 48, 43.552,
319.413

 58, 43.552,
319.413

 68, 43.552,
319.413


 78, 43.552,
319.413


 88, 43.552,
319.413


 8, 43.552, 319.413

 8, 43.552, 319.413


 8, 43.080, 319.279


 10, 39.242,
319.054

 11, 35.870,
319.009

 12, 32.100,
318.887

 14, 27.881,
318.656

 16, 23.374,
318.352

 18, 18.709,
318.002

■ 20, 13.982,
317.628

■ 22, 9.262, 317.245

■ 24, 4.593, 316.860

Harmonies

Complementary

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



8, 43.552, 319.413



22, 40.590, 132.710

Rectangle

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



8, 43.552, 319.413



8, 43.552, 9.413



8, 43.552, 139.413



8, 43.552, 189.413

Sweetspot

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



8, 43.080, 319.279



27, 17.614, 317.682



7, 33.212, 294.031



11, 11.820, 317.737



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



8, 43.080, 319.279



13, 51.911, 318.901



11, 36.236, 337.556



10, 2.522, 316.798



16, 57.427, 318.731



42, 107.371, 318.052

Inverse Universe

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



9, 30.907, 13.851



15, 37.763, 17.926



22, 38.191, 141.545



10, 1.684, 358.306



18, 41.967, 19.180



47, 80.312, 24.064

Previews

White Background



This preview shows how the CIELCh color 8, 43.552, 319.413 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 ✓ Pass

Black Background



This preview shows how the CIE LCh color 8, 43.552, 319.413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

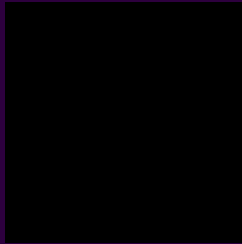
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 8, 43.552, 319.413

Background



This preview shows how black text looks on a background with the CIELCh color 8, 43.552, 319.413.



This preview shows how white text looks on a background with the CIELCh color 8, 43.552, 319.413.

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

8, 43.121, 319.307




Deuteranopia

10, 17.036, 265.311


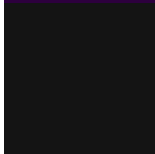
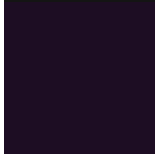
Tritanopia

10, 8.091, 11.693

Trichromacy

	Original Color 8, 43.121, 319.307
	Deuteranomaly 7, 26.997, 297.551
	Tritanomaly 9, 20.675, 329.424

Monochromacy

	Original Color 8, 43.121, 319.307
	Achromatopsia 6, 0.002, 296.812
	Achromatomaly 6, 17.303, 317.647

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 8, 43.552, 319.413 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(45, 0, 62)` looks like.

```
.text, #text, p{  
    color:rgb(45, 0, 62)  
}
```

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(45, 0, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 0, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 8, 43.552, 319.413 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(45, 0, 62) }
```

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

```
.border{ border-color:rgb(45, 0, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 0, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 0, 62); -webkit-box-shadow:4px  
4px 4px 4px rgb(45, 0, 62); box-shadow:4px  
4px 4px 4px rgb(45, 0, 62) }
```

Background

The CSS property to change the background color of an element to CIELCh 8, 43.552, 319.413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 0, 62) }
```

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

```
.background{ background-color: rgb(45, 0,  
62) }
```

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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