

Converting Colors

CIELCh(43, 21.350, 157.552)

Have a look what the booklet for
CIELCh(43, 21.350, 157.552)
contains.

CIELCh(43, 21.169, 158.424)	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, 21.169, 158.424)

Conversions

Conversions Part 1

Format	Color
Hex	456E58
RGB	69, 110, 88
RGB Percent	27%, 43%, 35%
CMY	0.7289, 0.5681, 0.6544
CMYK	0.37, 0.00, 0.20, 0.57
HSL	148°, 23%, 35%
HSV	148°, 37%, 43%
XYZ	9.8209, 13.1578, 11.2828
YIQ	95.2330, -17.3740, -15.5340

Conversions

Conversions Part 2

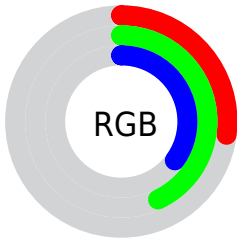
Format	Color
RYB	69, 97, 110
Decimal	4550232
CIELab	43.00, -19.69, 7.78
CIELCh	43, 21.169, 158.424
Yxy	13.1578, 0.2866, 0.3840
Android (android.graphics.Color)	4282740312 (0xFF456E58)
YUV	95.2330, -3.5659, -23.0063
Hunter-Lab	36.2736, -15.1511, 6.9496

Details

The CIELCh color $43, 21.169, 158.424$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $35, 21.921, 344.963$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $63, 21.195, 158.379$, and $23, 20.878, 158.796$ is the 20% darker color. If you saturate the color by 10%, you get $42, 26.543, 157.263$, and if you desaturate by 10%, it is $44, 15.592, 159.455$.

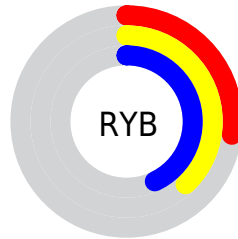
Distribution



Red (27%)

Green (43%)

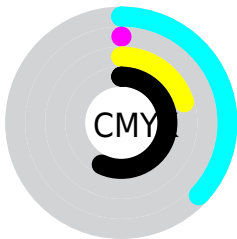
Blue (35%)



Red (27%)

Yellow (38%)

Blue (43%)

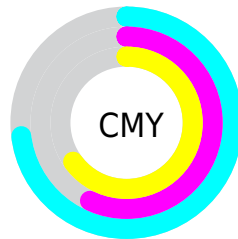


Cyan (37%)

Magenta (0%)

Yellow (20%)

Black (57%)



Cyan (73%)

Magenta (57%)

Yellow (65%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 43, 21.169, 158.424 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, 21.169, 158.424 by changing the saturation by 10% instead.

 43, 21.169,
158.424


 43, 21.169,
158.424


 100, 21.169,
158.424

 33, 21.169,
158.424

 63, 21.169,
158.424


 23, 21.169,
158.424

 73, 21.169,
158.424

 13, 21.169,
158.424

 83, 21.169,
158.424

 3, 21.169, 158.424

 93, 21.169,
158.424

 0, 21.169, 158.424

 43, 21.169,

 43, 21.169,

158.424

■ 42, 26.543,
157.263

■ 42, 31.622,
155.954

■ 41, 36.322,
154.475

■ 41, 40.571,
152.812

■ 41, 44.324,
150.959

■ 40, 47.664,
149.028

■ 40, 48.573,
148.540

158.424

■ 44, 15.592,
159.455

■ 45, 9.893, 160.382

■ 46, 4.146, 161.241

■ 47, 1.587, 341.765

■ 48, 7.261, 342.569

■ 49, 12.837,
343.207

■ 51, 18.292,
343.789

■ 52, 23.608,
344.326

■ 53, 28.777,
344.828

Harmonies

Complementary

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



43, 21.169, 158.424



35, 21.921, 344.963

Rectangle

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



43, 21.169, 158.424



43, 21.169, 208.424



43, 21.169, 338.424



43, 21.169, 28.424

Sweetspot

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



43, 21.170, 158.423



58, 7.813, 160.895



44, 25.408, 125.601



29, 5.214, 160.813



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



43, 21.170, 158.423



54, 31.338, 157.390



44, 15.193, 192.978



23, 3.276, 161.088



44, 51.837, 148.310



86, 91.140, 146.930

Inverse Universe

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



35, 21.921, 344.963



42, 32.627, 345.971



34, 18.966, 18.827



22, 3.309, 342.363



25, 49.124, 356.996



54, 83.291, 359.341

Previews

White Background



This preview shows how the CIELCh color 43, 21.169, 158.424 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, 21.169, 158.424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

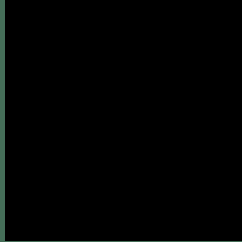
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 21.169, 158.424

Background



This preview shows how black text looks on a background with the CIELCh color 43, 21.169, 158.424.



This preview shows how white text looks on a background with the CIELCh color 43, 21.169, 158.424.

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, 21.169, 158.424

Protanopia

43, 10.516, 94.036

Deuteranopia

43, 8.571, 49.330



Tritanopia
43, 12.331, 224.507

Trichromacy



Original Color
43, 21.169, 158.424

Protanomaly
43, 11.792, 132.154

Deuteranomaly
43, 7.408, 122.457

Tritanomaly
43, 13.415, 190.053

Monochromacy



Original Color
43, 21.169, 158.424

Achromatopsia
40, 0.006, 296.813

Achromatomaly
41, 7.920, 160.771

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 21.169, 158.424 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(69, 110, 88)` looks like.

```
.text, #text, p{  
    color:rgb(69, 110, 88)  
}
```

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(69, 110, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 110, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 21.169, 158.424 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(69, 110, 88) }
```

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

```
.border{ border-color:rgb(69, 110, 88) }
```

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

Here you see how a box with a 4 pixel rgb(69, 110, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 110, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 110, 88);  
box-shadow:4px 4px 4px 4px rgb(69, 110,  
88) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 21.169, 158.424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 110, 88) }
```

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

```
.background{ background-color: rgb(69, 110,  
88) }
```

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