

Converting Colors

CIELCh(43, 13.001, 157.716)

Have a look what the booklet for
CIELCh(43, 13.001, 157.716)
contains.

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Color

CIELCh(43, 13.020, 157.673)

Conversions

Conversions Part 1

Format	Color
Hex	536B5D
RGB	83, 107, 93
RGB Percent	33%, 42%, 36%
CMY	0.6743, 0.5802, 0.6351
CMYK	0.22, 0.00, 0.13, 0.58
HSL	145°, 13%, 37%
HSV	145°, 22%, 42%
XYZ	10.8121, 13.1578, 12.3367
YIQ	98.2280, -9.8100, -9.4420

Conversions

Conversions Part 2

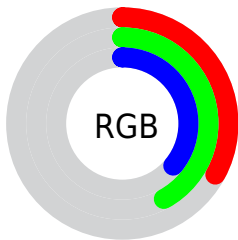
Format	Color
R_{YB}	83, 100, 107
Decimal	5466973
CIE _{Lab}	43.00, -12.04, 4.95
CIE _{LCh}	43, 13.020, 157.673
Yxy	13.1578, 0.2978, 0.3624
Android (android.graphics.Color)	4283657053 (0xFF536B5D)
YUV	98.2280, -2.5774, -13.3550
Hunter-Lab	36.2736, -10.2735, 5.2269

Details

The CIELCh color $43, 13.020, 157.673$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $38, 13.247, 341.108$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $63, 12.805, 157.424$, and $23, 13.497, 157.288$ is the 20% darker color. If you saturate the color by 10%, you get $42, 18.760, 156.722$, and if you desaturate by 10%, it is $44, 7.211, 158.527$.

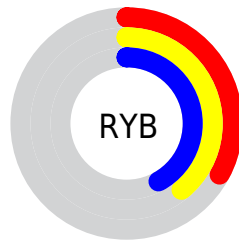
Distribution



Red (33%)

Green (42%)

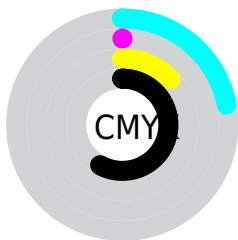
Blue (36%)



Red (33%)

Yellow (39%)

Blue (42%)

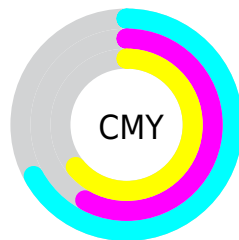


Cyan (22%)

Magenta (0%)

Yellow (13%)

Black (58%)



Cyan (67%)


Magenta (58%)


Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 13.020, 157.673 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, 13.020, 157.673 by changing the saturation by 10% instead.


 43, 13.020,
157.673


 43, 13.020,
157.673


 100, 13.020,
157.673


 33, 13.020,
157.673

 63, 13.020,
157.673


 23, 13.020,
157.673

 73, 13.020,
157.673

 13, 13.020,
157.673

 83, 13.020,
157.673

 3, 13.020, 157.673

 93, 13.020,
157.673

 0, 13.020, 157.673

 43, 13.020,

 43, 13.020,

157.673

157.673

■ 42, 18.760,
156.722

■ 44, 7.211, 158.527

■ 41, 24.348,
155.652

■ 45, 1.398, 159.416

■ 41, 29.698,
154.442

■ 46, 4.367, 339.869

■ 40, 34.718,
153.071

■ 47, 10.041,
340.516

■ 40, 39.324,
151.523

■ 49, 15.596,
341.087

■ 39, 43.450,
149.791

■ 50, 21.012,
341.608

■ 39, 47.067,
147.891

■ 51, 26.278,
342.090

■ 39, 49.646,
146.549

■ 53, 31.388,
342.536

■ 54, 36.341,

342.954

Harmonies

Complementary

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



43, 13.020, 157.673



38, 13.247, 341.108

Rectangle

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



43, 13.020, 157.673



43, 13.020, 207.673



43, 13.020, 337.673



43, 13.020, 27.673

Sweetspot

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



43, 13.021, 157.672



57, 5.063, 158.954



44, 14.863, 124.443



30, 3.316, 158.923



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, 13.021, 157.672



55, 19.543, 157.178



43, 9.528, 189.547



22, 3.260, 158.809



43, 53.265, 146.299



85, 94.467, 144.909

Inverse Universe

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



38, 13.247, 341.108



48, 19.954, 341.569



38, 10.663, 13.103



21, 3.287, 340.019



24, 49.232, 352.928



53, 83.897, 354.991

Previews

White Background



This preview shows how the CIELCh color 43, 13.020, 157.673 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, 13.020, 157.673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

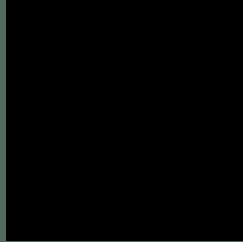
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 13.020, 157.673

Background



This preview shows how black text looks on a background with the CIELCh color 43, 13.020, 157.673.

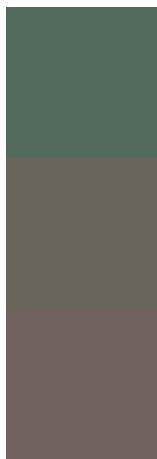


This preview shows how white text looks on a background with the CIELCh color 43, 13.020, 157.673.

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

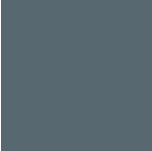
43, 13.020, 157.673

Protanopia

43, 6.933, 90.977

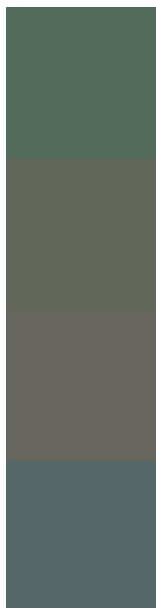
Deuteranopia

43, 6.710, 35.629



Tritanopia
43, 8.315, 239.679

Trichromacy



Original Color
43, 13.020, 157.673

Protanomaly
43, 7.511, 125.586

Deuteranomaly
43, 4.217, 103.766

Tritanomaly
43, 7.451, 203.220

Monochromacy



Original Color
43, 13.020, 157.673

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 4.513, 156.985

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 13.020, 157.673 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(83, 107, 93)` looks like.

```
.text, #text, p{  
    color:rgb(83, 107, 93)  
}
```

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(83, 107, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 107, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 13.020, 157.673 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(83, 107, 93) }
```

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

```
.border{ border-color:rgb(83, 107, 93) }
```

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

Here you see how a box with a 4 pixel rgb(83, 107, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 107, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 107, 93);  
box-shadow:4px 4px 4px 4px rgb(83, 107,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 13.020, 157.673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 107, 93) }
```

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

```
.background{ background-color: rgb(83, 107,  
93) }
```

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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