

Converting Colors

CIELCh(17, 13.936, 317.975)

Have a look what the booklet for
CIELCh(17, 13.936, 317.975)
contains.

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Color

CIELCh(17, 13.820, 317.623)

Conversions

Conversions Part 1

Format	Color
Hex	322537
RGB	50, 37, 55
RGB Percent	20%, 15%, 22%
CMY	0.8029, 0.8539, 0.7833
CMYK	0.09, 0.33, 0.00, 0.78
HSL	283°, 19%, 18%
HSV	283°, 33%, 22%
XYZ	2.6941, 2.3023, 3.9506
YIQ	42.9390, 1.9700, 8.3540

Conversions

Conversions Part 2

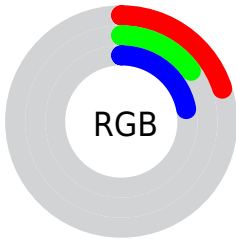
Format	Color
R_{YB}	50, 37, 55
Decimal	3286327
CIE _{Lab}	17.00, 10.21, -9.31
CIE _{LCh}	17, 13.820, 317.623
Yxy	2.3023, 0.3011, 0.2573
Android (android.graphics.Color)	4281476407 (0xFF322537)
YUV	42.9390, 5.9461, 6.1925
Hunter-Lab	15.1734, 5.1400, -4.8156

Details

The CIELCh color **17, 13.820, 317.623** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **22, 13.561, 135.104**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 13.845, 318.078**, and **0, 4.033, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **15, 18.112, 317.986**, and if you desaturate by 10%, it is **19, 9.523, 317.249**.

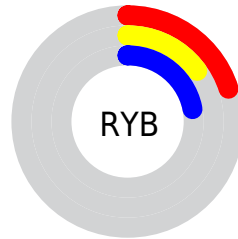
Distribution



 Red (20%)

 Green (15%)

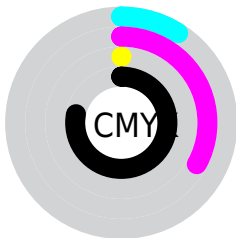
 Blue (22%)



 Red (20%)

 Yellow (15%)

 Blue (22%)

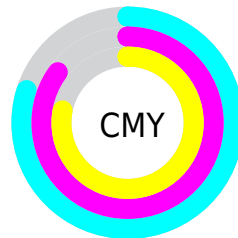


 Cyan (9%)

 Magenta (33%)

 Yellow (0%)

 Black (78%)



 Cyan (80%)

 Magenta (85%)

 Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 13.820, 317.623 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 17, 13.820, 317.623 by changing the saturation by 10% instead.

■ 17, 13.820,
317.623

■ 17, 13.820,
317.623

■ 100, 13.820,
317.623

■ 7, 13.820, 317.623

■ 37, 13.820,
317.623

■ 0, 13.820, 317.623

■ 47, 13.820,
317.623


■ 57, 13.820,
317.623


■ 67, 13.820,
317.623


■ 77, 13.820,
317.623


■ 87, 13.820,

317.623


 97, 13.820,
317.623

 17, 13.820,
317.623


 17, 13.820,
317.623

 15, 18.112,
317.986


 19, 9.523, 317.249

 13, 22.338,
318.323

 21, 5.267, 316.873


 12, 26.411,
318.614

 23, 1.077, 316.458

 10, 30.213,
318.829

 27, 7.043, 135.871

 9, 33.602, 318.938

 29, 10.959,
135.563

■ 8, 37.030, 319.095

■ 30, 14.777,
135.279

■ 7, 39.611, 319.181

■ 32, 18.496,
135.018

■ 34, 22.121,
134.779

Harmonies

Complementary

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



17, 13.820, 317.623



22, 13.561, 135.104

Rectangle

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



17, 13.820, 317.623



17, 13.820, 7.623



17, 13.820, 137.623



17, 13.820, 187.623

Sweetspot

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



17, 13.819, 317.623



28, 5.173, 316.793



17, 9.146, 278.998



12, 3.459, 316.805



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



17, 13.819, 317.623



21, 20.542, 317.925



17, 12.768, 332.920



9, 2.337, 316.712



15, 56.357, 318.686



42, 106.484, 317.978

Inverse Universe

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



17, 9.463, 0.550



21, 14.171, 1.574



21, 12.703, 149.030



9, 1.563, 358.110



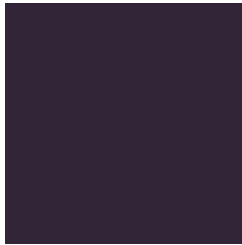
17, 41.095, 18.743



46, 79.485, 23.807

Previews

White Background



This preview shows how the CIELCh color 17, 13.820, 317.623 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



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 17, 13.820, 317.623

Background



This preview shows how black text looks on a background with the CIELCh color 17, 13.820, 317.623.



This preview shows how white text looks on a background with the CIELCh color 17, 13.820, 317.623.

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


17, 13.820, 317.623

Protanopia

17, 11.898, 285.375

Deuteranopia

17, 9.055, 289.790



Tritanopia
17, 4.396, 352.243

Trichromacy



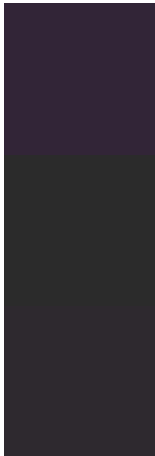
Original Color
17, 13.820, 317.623

Protanomaly
17, 11.901, 297.211

Deuteranomaly
17, 9.945, 302.718

Tritanomaly
17, 7.297, 331.577

Monochromacy



Original Color
17, 13.820, 317.623

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 4.800, 320.257

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 13.820, 317.623 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(50, 37, 55)` looks like.

```
.text, #text, p{  
    color:rgb(50, 37, 55)  
}
```

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(50, 37, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 37, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 13.820, 317.623 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(50, 37, 55) }
```

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

```
.border{ border-color:rgb(50, 37, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 37, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 37, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 37, 55);  
box-shadow:4px 4px 4px 4px rgb(50, 37, 55)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 13.820, 317.623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 37, 55) }
```

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

```
.background{ background-color: rgb(50, 37,  
55) }
```

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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