

Converting Colors

CIELCh(17, 20.912, 320.324)

Have a look what the booklet for
CIELCh(17, 20.912, 320.324)
contains.

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Color

CIELCh(17, 20.816, 320.948)

Conversions

Conversions Part 1

Format	Color
Hex	38223D
RGB	56, 34, 61
RGB Percent	22%, 13%, 24%
CMY	0.7812, 0.8674, 0.7616
CMYK	0.08, 0.44, 0.00, 0.76
HSL	289°, 29%, 19%
HSV	289°, 44%, 24%
XYZ	3.0224, 2.3023, 4.6706
YIQ	43.6560, 4.4450, 13.0610

Conversions

Conversions Part 2

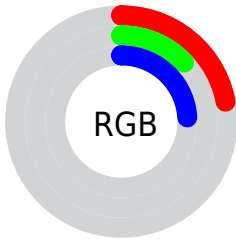
Format	Color
R_{YB}	56, 34, 61
Decimal	3678781
CIE Lab	17.00, 16.17, -13.11
CIE LCh	17, 20.816, 320.948
Yxy	2.3023, 0.3024, 0.2303
Android (android.graphics.Color)	4281868861 (0xFF38223D)
YUV	43.6560, 8.5506, 10.8257
Hunter-Lab	15.1734, 9.0016, -7.6289

Details

The CIELCh color **17, 20.816, 320.948** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **23, 20.505, 137.075**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 21.047, 320.977**, and **0, 8.037, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **15, 25.346, 321.281**, and if you desaturate by 10%, it is **19, 16.141, 320.579**.

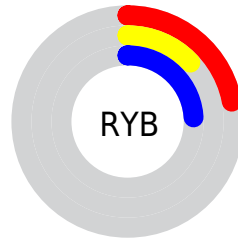
Distribution



Red (22%)

Green (13%)

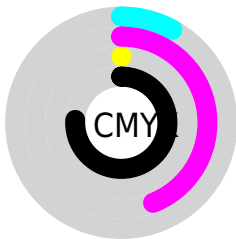
Blue (24%)



Red (22%)

Yellow (13%)

Blue (24%)

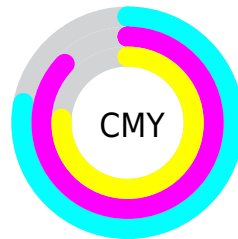


Cyan (8%)

Magenta (44%)

Yellow (0%)

Black (76%)



Cyan (78%)


Magenta (87%)


Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 17, 20.816, 320.948 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, 20.816, 320.948 by changing the saturation by 10% instead.

 17, 20.816,
320.948


 17, 20.816,
320.948


 100, 20.816,
320.948


 7, 20.816, 320.948

 37, 20.816,
320.948

 0, 20.816, 320.948

 47, 20.816,
320.948


 57, 20.816,
320.948


 67, 20.816,
320.948

 77, 20.816,
320.948


 87, 20.816,


320.948


 97, 20.816,
320.948


 17, 20.816,
320.948


 17, 20.816,
320.948

 15, 25.346,
321.281


 19, 16.141,
320.579

 14, 29.618,
321.557

 21, 11.414,
320.191


 12, 33.486,
321.751

 23, 6.695, 319.793

 11, 36.791,
321.836

 25, 2.028, 319.373

 27, 2.558, 139.076

 10, 40.054,
321.943

 29, 7.046, 138.691

■ 9, 42.085, 322.060

■ 31, 11.427,
138.342

■ 33, 15.698,
138.016

■ 35, 19.857,
137.712

Harmonies

Complementary

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



17, 20.816, 320.948



23, 20.505, 137.075

Rectangle

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



17, 20.816, 320.948



17, 20.816, 10.948



17, 20.816, 140.948



17, 20.816, 190.948

Sweetspot

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



17, 20.815, 320.948



30, 7.524, 319.761



16, 15.176, 286.243



14, 5.317, 319.803



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



17, 20.815, 320.948



21, 30.714, 321.312



17, 17.699, 337.154



10, 2.586, 319.551



17, 56.694, 321.643



46, 105.820, 321.145

Inverse Universe

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



17, 13.907, 9.047



21, 20.952, 10.888



23, 17.501, 150.963



10, 1.623, 4.956



18, 43.771, 26.312



47, 85.013, 31.227

Previews

White Background



This preview shows how the CIE LCh color 17, 20.816, 320.948 looks on a white background.

Color Contrast Check

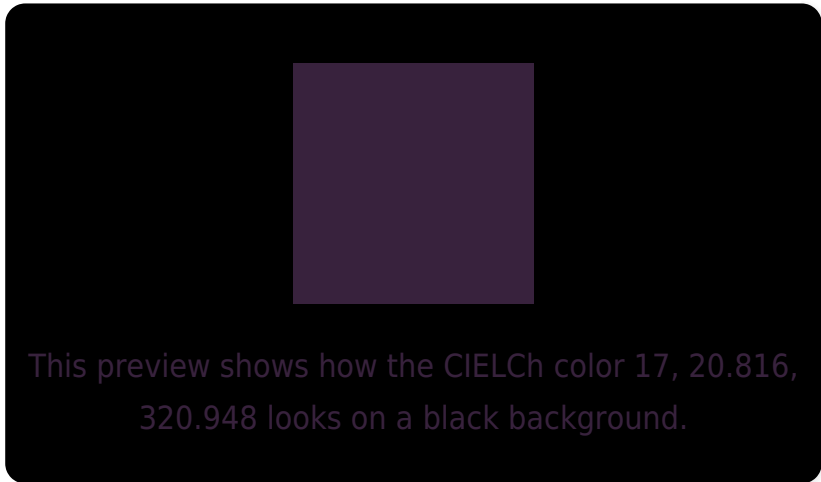
Large Text (above 18pt) WCAG AA ✓ Pass

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

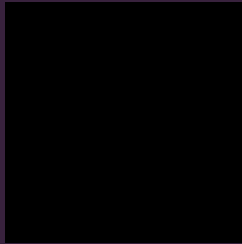
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 20.816, 320.948

Background



This preview shows how black text looks on a background with the CIELCh color 17, 20.816, 320.948.



This preview shows how white text looks on a background with the CIELCh color 17, 20.816, 320.948.

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, 20.816, 320.948

Protanopia

17, 18.173, 285.550

Deuteranopia

17, 11.963, 281.606



Tritanopia
17, 7.687, 5.748

Trichromacy



Original Color
17, 20.816, 320.948

Protanomaly
17, 18.912, 298.348

Deuteranomaly
17, 14.775, 300.191

Tritanomaly
17, 11.817, 337.777

Monochromacy



Original Color
17, 20.816, 320.948

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 7.292, 322.119

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 20.816, 320.948 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(56, 34, 61)` looks like.

```
.text, #text, p{  
    color:rgb(56, 34, 61)  
}
```

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(56, 34, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 34, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 20.816, 320.948 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(56, 34, 61) }
```

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

```
.border{ border-color:rgb(56, 34, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 34, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 34, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 34, 61);  
box-shadow:4px 4px 4px 4px rgb(56, 34, 61)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 20.816, 320.948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 34, 61) }
```

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

```
.background{ background-color: rgb(56, 34,  
61) }
```

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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