

Converting Colors

CIELCh(17, 20.080, 308.711)

Have a look what the booklet for
CIELCh(17, 20.080, 308.711)
contains.

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Color

CIELCh(17, 20.156, 308.673)

Conversions

Conversions Part 1

Format	Color
Hex	302440
RGB	48, 36, 64
RGB Percent	19%, 14%, 25%
CMY	0.8100, 0.8572, 0.7472
CMYK	0.25, 0.43, 0.00, 0.75
HSL	266°, 28%, 20%
HSV	266°, 43%, 25%
XYZ	2.8226, 2.3023, 5.2152
YIQ	42.7800, -1.8360, 11.2520

Conversions

Conversions Part 2

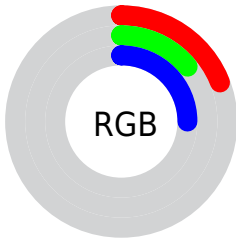
Format	Color
R_{YB}	48, 36, 64
Decimal	3155008
CIE _{Lab}	17.00, 12.59, -15.74
CIE _{LCh}	17, 20.156, 308.673
Yxy	2.3023, 0.2730, 0.2227
Android (android.graphics.Color)	4281345088 (0xFF302440)
YUV	42.7800, 10.4615, 4.5779
Hunter-Lab	15.1734, 6.6513, -9.7568

Details

The CIELCh color **17, 20.156, 308.673** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **26, 18.907, 124.675**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 20.028, 308.702**, and **1, 9.561, 288.516** is the 20% darker color. If you saturate the color by 10%, you get **15, 25.005, 309.236**, and if you desaturate by 10%, it is **19, 15.350, 308.124**.

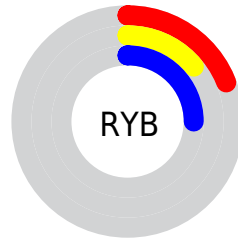
Distribution



 Red (19%)

 Green (14%)

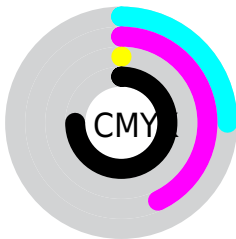
 Blue (25%)



 Red (19%)

 Yellow (14%)

 Blue (25%)

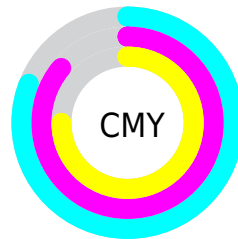


 Cyan (25%)

 Magenta (43%)

 Yellow (0%)

 Black (75%)



 Cyan (81%)

 Magenta (86%)

 Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 20.156, 308.673 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 17, 20.156, 308.673 by changing the saturation by 10% instead.

■ 17, 20.156,
308.673

■ 17, 20.156,
308.673

■ 100, 20.156,
308.673

■ 7, 20.156, 308.673

■ 37, 20.156,
308.673

■ 0, 20.156, 308.673

■ 47, 20.156,
308.673

■ 57, 20.156,
308.673


■ 67, 20.156,
308.673


■ 77, 20.156,
308.673


■ 87, 20.156,


308.673


 97, 20.156,
308.673


 17, 20.156,
308.673


 17, 20.156,
308.673

 15, 25.005,
309.236

 19, 15.350,
308.124

 12, 29.824,
309.786

 22, 10.632,
307.605

 10, 34.486,
310.282

 24, 6.026, 307.122

 8, 38.804, 310.662

 26, 1.542, 306.664

 7, 42.867, 310.948

 29, 2.817, 126.311

 6, 45.393, 311.020

 31, 7.052, 125.947

■ 34, 11.165,
125.629

■ 36, 15.162,
125.349

■ 38, 19.047,
125.102

Harmonies

Complementary

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



17, 20.156, 308.673



26, 18.907, 124.675

Rectangle

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



17, 20.156, 308.673



17, 20.156, 358.673



17, 20.156, 128.673



17, 20.156, 178.673

Sweetspot

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



17, 20.155, 308.673



32, 7.247, 307.126



21, 9.920, 251.821



15, 5.124, 307.179



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



17, 20.155, 308.673



21, 30.358, 309.279



19, 21.894, 324.023



11, 2.526, 306.896



12, 61.911, 311.094



34, 115.190, 310.266

Inverse Universe

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



19, 16.760, 343.412



23, 24.775, 344.512



25, 21.786, 139.684



12, 2.165, 340.538



19, 42.960, 353.167



49, 78.264, 355.919

Previews

White Background



This preview shows how the CIE LCh color 17, 20.156, 308.673 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 ✓ Pass

Black Background



This preview shows how the CIELCh color 17, 20.156, 308.673 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 17, 20.156, 308.673

Background



This preview shows how black text looks on a background with the CIELCh color 17, 20.156, 308.673.



This preview shows how white text looks on a background with the CIELCh color 17, 20.156, 308.673.

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


17, 20.156, 308.673

Protanopia

17, 19.600, 284.799

Deuteranopia

17, 14.895, 279.327



Tritanopia
17, 2.838, 332.766

Trichromacy



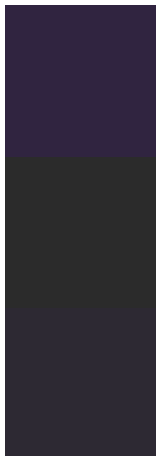
Original Color
17, 20.156, 308.673

Protanomaly
17, 19.508, 292.872

Deuteranomaly
17, 16.702, 291.719

Tritanomaly
17, 8.988, 312.778

Monochromacy



Original Color
17, 20.156, 308.673

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 7.210, 306.360

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 20.156, 308.673 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(48, 36, 64)` looks like.

```
.text, #text, p{  
  color:rgb(48, 36, 64)  
}
```

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(48, 36, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 36, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 20.156, 308.673 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(48, 36, 64) }
```

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

```
.border{ border-color:rgb(48, 36, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 36, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 36, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 36, 64);  
box-shadow:4px 4px 4px 4px rgb(48, 36, 64)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 20.156, 308.673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 36, 64) }
```

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

```
.background{ background-color: rgb(48, 36,  
64) }
```

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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