

Converting Colors

CIELCh(18, 20.701, 309.274)

Have a look what the booklet for
CIELCh(18, 20.701, 309.274)
contains.

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Color

CIELCh(18, 20.762, 309.302)

Conversions

Conversions Part 1

Format	Color
Hex	332643
RGB	51, 38, 67
RGB Percent	20%, 15%, 26%
CMY	0.7991, 0.8501, 0.7363
CMYK	0.24, 0.43, 0.00, 0.74
HSL	267°, 28%, 21%
HSV	267°, 43%, 26%
XYZ	3.0972, 2.5180, 5.6702
YIQ	45.1930, -1.5610, 11.7750

Conversions

Conversions Part 2

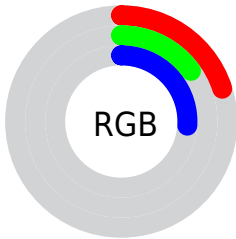
Format	Color
R_{YB}	51, 38, 67
Decimal	3352131
CIE _{Lab}	18.00, 13.15, -16.07
CIE _{LCh}	18, 20.762, 309.302
Yxy	2.5180, 0.2744, 0.2231
Android (android.graphics.Color)	4281542211 (0xFF332643)
YUV	45.1930, 10.7509, 5.0927
Hunter-Lab	15.8683, 7.0698, -10.0782

Details

The CIELCh color **18, 20.762, 309.302** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **27, 19.525, 125.405**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 20.638, 309.291**, and **1, 12.136, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **16, 25.779, 309.842**, and if you desaturate by 10%, it is **20, 15.782, 308.771**.

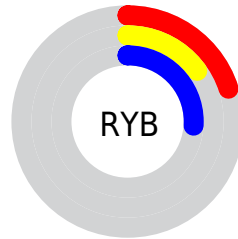
Distribution



 Red (20%)

 Green (15%)

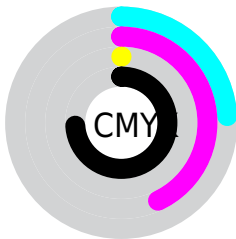
 Blue (26%)



 Red (20%)

 Yellow (15%)

 Blue (26%)

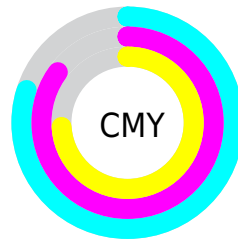


 Cyan (24%)

 Magenta (43%)

 Yellow (0%)

 Black (74%)



 Cyan (80%)


 Magenta (85%)


 Yellow (74%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 20.762, 309.302 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 18, 20.762, 309.302 by changing the saturation by 10% instead.

 18, 20.762,
309.302


 18, 20.762,
309.302


 100, 20.762,
309.302


 8, 20.762, 309.302


 38, 20.762,
309.302

 0, 20.762, 309.302

 48, 20.762,
309.302

 58, 20.762,
309.302


 68, 20.762,
309.302


 78, 20.762,
309.302


 88, 20.762,


309.302


 98, 20.762,
309.302


 18, 20.762,
309.302


 18, 20.762,
309.302

 16, 25.779,
309.842

 20, 15.782,
308.771

 13, 30.751,
310.364

 23, 10.888,
308.267

 11, 35.545,
310.826

 25, 6.106, 307.795

 9, 39.961, 311.165

 28, 1.449, 307.342

 7, 44.215, 311.511

 30, 3.080, 127.001

 6, 47.152, 311.719

 33, 7.479, 126.644

■ 35, 11.753,
126.331

■ 37, 15.906,
126.055

■ 40, 19.943,
125.811

Harmonies

Complementary

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



18, 20.762, 309.302



27, 19.525, 125.405

Rectangle

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



18, 20.762, 309.302



18, 20.762, 359.302



18, 20.762, 129.302



18, 20.762, 179.302

Sweetspot

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



18, 20.761, 309.302



33, 7.455, 307.812



22, 10.341, 253.944



15, 5.142, 307.861



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



18, 20.761, 309.302



21, 31.168, 309.892



20, 22.588, 324.519



11, 2.535, 307.586



12, 61.669, 311.487



34, 114.717, 310.649

Inverse Universe

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



20, 17.022, 344.465



24, 25.101, 345.637



26, 22.509, 140.081



12, 2.136, 341.510



19, 42.637, 354.771



49, 77.761, 357.710

Previews

White Background



This preview shows how the CIE LCh color 18, 20.762, 309.302 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 CIE LCh color 18, 20.762, 309.302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

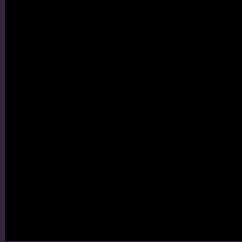
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 20.762, 309.302

Background



This preview shows how black text looks on a background with the CIELCh color 18, 20.762, 309.302.



This preview shows how white text looks on a background with the CIELCh color 18, 20.762, 309.302.

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

18, 20.762, 309.302

Protanopia

18, 20.141, 285.108

Deuteranopia

18, 15.458, 279.998



Tritanopia
18, 3.159, 339.236

Trichromacy



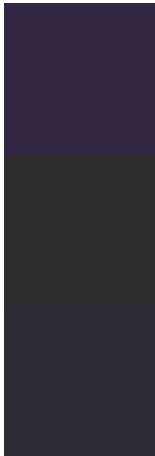
Original Color
18, 20.762, 309.302

Protanomaly
18, 20.048, 293.953

Deuteranomaly
18, 16.588, 291.563

Tritanomaly
18, 9.722, 313.865

Monochromacy



Original Color
18, 20.762, 309.302

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 7.161, 306.332

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 20.762, 309.302 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(51, 38, 67)` looks like.

```
.text, #text, p{  
    color:rgb(51, 38, 67)  
}
```

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(51, 38, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 38, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 20.762, 309.302 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(51, 38, 67) }
```

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

```
.border{ border-color:rgb(51, 38, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 38, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 38, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 38, 67);  
box-shadow:4px 4px 4px 4px rgb(51, 38, 67)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 20.762, 309.302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 38, 67) }
```

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

```
.background{ background-color: rgb(51, 38,  
67) }
```

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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