

Converting Colors

CIELCh(18, 32.337, 320.906)

Have a look what the booklet for
CIELCh(18, 32.337, 320.906)
contains.

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Color

CIELCh(18, 32.295, 320.887)

Conversions

Conversions Part 1

Format	Color
Hex	411E4A
RGB	65, 30, 74
RGB Percent	25%, 12%, 29%
CMY	0.7463, 0.8835, 0.7110
CMYK	0.12, 0.60, 0.00, 0.71
HSL	288°, 43%, 20%
HSV	288°, 60%, 29%
XYZ	3.8428, 2.5180, 6.7089
YIQ	45.4810, 6.7360, 21.1040

Conversions

Conversions Part 2

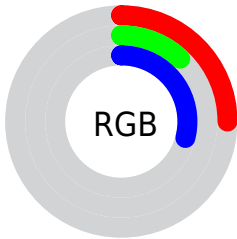
Format	Color
R_{YB}	65, 30, 74
Decimal	4267594
CIE _{Lab}	18.00, 25.06, -20.37
CIE _{LCh}	18, 32.295, 320.887
Yxy	2.5180, 0.2940, 0.1927
Android (android.graphics.Color)	4282457674 (0xFF411E4A)
YUV	45.4810, 14.0599, 17.1182
Hunter-Lab	15.8683, 15.4578, -13.9592

Details

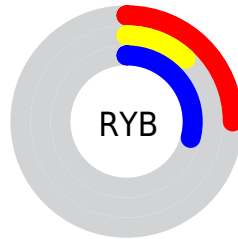
The CIELCh color **18, 32.295, 320.887** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **28, 31.641, 135.544**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 32.098, 320.680**, and **2, 18.390, 312.444** is the 20% darker color. If you saturate the color by 10%, you get **16, 37.000, 321.108**, and if you desaturate by 10%, it is **20, 27.163, 320.585**.

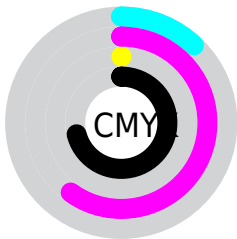
Distribution



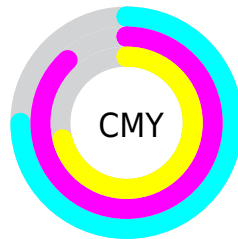
- Red (25%)
- Green (12%)
- Blue (29%)



- Red (25%)
- Yellow (12%)
- Blue (29%)



- Cyan (12%)
- Magenta (60%)
- Yellow (0%)
- Black (71%)



- Cyan (75%)
- Magenta (88%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 32.295, 320.887 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, 32.295, 320.887 by changing the saturation by 10% instead.

■ 18, 32.295,
320.887

■ 18, 32.295,
320.887

■ 100, 32.295,
320.887

■ 8, 32.295, 320.887

■ 38, 32.295,
320.887

■ 0, 32.295, 320.887

■ 48, 32.295,
320.887


■ 58, 32.295,
320.887


■ 68, 32.295,
320.887


■ 78, 32.295,
320.887


■ 88, 32.295,


320.887


 98, 32.295,
320.887


 18, 32.295,
320.887


 18, 32.295,
320.887


 16, 37.000,
321.108


 20, 27.163,
320.585


 15, 41.079,
321.215


 22, 21.777,
320.230

 13, 44.400,
321.191

 24, 16.269,
319.843

 12, 47.829,
321.230

 27, 10.735,
319.441

 12, 47.947,
321.233

 29, 5.241, 319.031

■ 31, 0.169, 139.260

■ 34, 5.469, 138.302

■ 36, 10.643,
137.935

■ 39, 15.685,
137.597

Harmonies

Complementary

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



18, 32.295, 320.887



28, 31.641, 135.544

Rectangle

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



18, 32.295, 320.887



18, 32.295, 10.887



18, 32.295, 140.887



18, 32.295, 190.887

Sweetspot

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



18, 32.294, 320.887



36, 12.312, 319.402



17, 24.036, 288.710



16, 8.448, 319.466



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



18, 32.294, 320.887



22, 47.305, 321.180



19, 27.547, 337.738



13, 2.937, 318.984



18, 58.977, 320.950



46, 107.957, 320.445

Inverse Universe

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



18, 22.349, 10.653



22, 33.656, 14.537



28, 27.465, 148.473



13, 1.868, 3.517



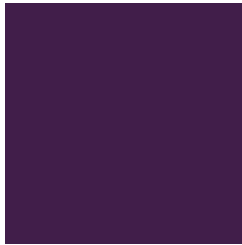
19, 45.146, 25.455



48, 85.423, 29.889

Previews

White Background



This preview shows how the CIE LCh color 18, 32.295, 320.887 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, 32.295, 320.887 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

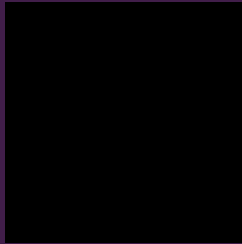
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 32.295, 320.887

Background



This preview shows how black text looks on a background with the CIELCh color 18, 32.295, 320.887.



This preview shows how white text looks on a background with the CIELCh color 18, 32.295, 320.887.

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, 32.295, 320.887

Protanopia

18, 30.471, 285.481

Deuteranopia

18, 18.342, 278.142



Tritanopia
18, 10.608, 10.975

Trichromacy



Original Color
18, 32.295, 320.887

Protanomaly
17, 30.404, 296.125

Deuteranomaly
18, 22.935, 299.268

Tritanomaly
18, 16.938, 337.326

Monochromacy



Original Color
18, 32.295, 320.887

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 12.530, 320.286

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 18, 32.295, 320.887 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(65, 30, 74)` looks like.

```
.text, #text, p{  
    color:rgb(65, 30, 74)  
}
```

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(65, 30, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 30, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 32.295, 320.887 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(65, 30, 74) }
```

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

```
.border{ border-color:rgb(65, 30, 74) }
```

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

Here you see how a box with a 4 pixel rgb(65, 30, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 30, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 30, 74);  
box-shadow:4px 4px 4px 4px rgb(65, 30, 74)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 32.295, 320.887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 30, 74) }
```

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

```
.background{ background-color: rgb(65, 30,  
74) }
```

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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