

Converting Colors

CIELCh(18, 21.819, 329.604)

Have a look what the booklet for
CIELCh(18, 21.819, 329.604)
contains.

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Color

CIELCh(18, 21.566, 329.724)

Conversions

Conversions Part 1

Format	Color
Hex	3F223C
RGB	63, 34, 60
RGB Percent	25%, 13%, 24%
CMY	0.7533, 0.8670, 0.7651
CMYK	0.00, 0.46, 0.05, 0.75
HSL	306°, 30%, 19%
HSV	306°, 46%, 25%
XYZ	3.4267, 2.5180, 4.5678
YIQ	45.6350, 8.9380, 14.2340

Conversions

Conversions Part 2

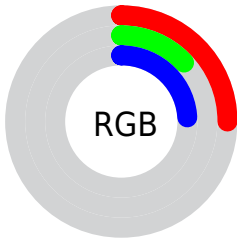
Format	Color
R_{YB}	63, 34, 60
Decimal	4137532
CIE _{Lab}	18.00, 18.62, -10.87
CIE _{LCh}	18, 21.566, 329.724
Yxy	2.5180, 0.3260, 0.2395
Android (android.graphics.Color)	4282327612 (0xFF3F223C)
YUV	45.6350, 7.0819, 15.2291
Hunter-Lab	15.8683, 10.7763, -5.9590

Details

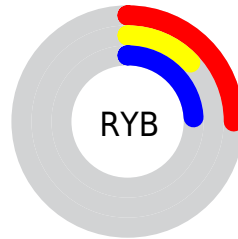
The CIELCh color **18, 21.566, 329.724** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **24, 21.592, 144.205**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 21.477, 329.661**, and **1, 9.095, 324.439** is the 20% darker color. If you saturate the color by 10%, you get **16, 25.861, 330.227**, and if you desaturate by 10%, it is **20, 17.014, 329.211**.

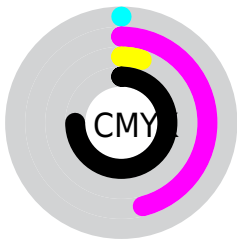
Distribution



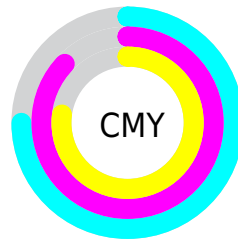
- Red (25%)
- Green (13%)
- Blue (24%)



- Red (25%)
- Yellow (13%)
- Blue (24%)



- Cyan (0%)
- Magenta (46%)
- Yellow (5%)
- Black (75%)





- Cyan (75%)
- Magenta (87%)
- Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 21.566, 329.724 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, 21.566, 329.724 by changing the saturation by 10% instead.

 18, 21.566,
329.724


 18, 21.566,
329.724


 100, 21.566,
329.724


 8, 21.566, 329.724


 38, 21.566,
329.724

 0, 21.566, 329.724

 48, 21.566,
329.724

 58, 21.566,
329.724


 68, 21.566,
329.724


 78, 21.566,
329.724


 88, 21.566,


329.724


 98, 21.566,
329.724


 18, 21.566,
329.724


 18, 21.566,
329.724

 16, 25.861,
330.227


 20, 17.014,
329.211

 15, 29.765,
330.714


 22, 12.324,
328.693

 14, 33.125,
331.183

 23, 7.583, 328.172

 13, 35.817,
331.634

 25, 2.855, 327.637

 12, 38.432,
332.060

 27, 1.814, 147.253

 29, 6.395, 146.721

■ 12, 39.527,
332.220

■ 32, 10.871,
146.248

■ 34, 15.231,
145.798

■ 36, 19.473,
145.369

Harmonies

Complementary

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



18, 21.566, 329.724



24, 21.592, 144.205

Rectangle

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



18, 21.566, 329.724



18, 21.566, 19.724



18, 21.566, 149.724



18, 21.566, 199.724

Sweetspot

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



18, 21.565, 329.724



31, 8.190, 328.095



15, 20.566, 298.529



14, 5.560, 328.140



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



18, 21.565, 329.724



22, 31.415, 330.292



17, 15.841, 353.924



10, 2.547, 327.765



20, 51.755, 332.506



51, 95.831, 332.890

Inverse Universe

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



18, 21.565, 329.724



22, 31.415, 330.292



24, 14.640, 165.273



10, 2.547, 327.765



20, 51.755, 332.506



51, 95.831, 332.890

Previews

White Background



This preview shows how the CIE LCh color 18, 21.566, 329.724 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, 21.566, 329.724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

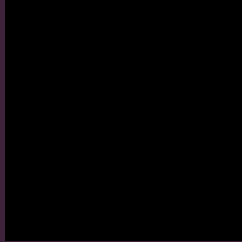
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 21.566, 329.724

Background



This preview shows how black text looks on a background with the CIELCh color 18, 21.566, 329.724.



This preview shows how white text looks on a background with the CIELCh color 18, 21.566, 329.724.

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, 21.566, 329.724

Protanopia

18, 16.665, 283.953

Deuteranopia

18, 9.666, 287.568



Tritanopia
18, 11.648, 12.289

Trichromacy



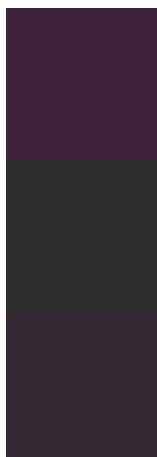
Original Color
18, 21.566, 329.724

Protanomaly
18, 17.531, 302.179

Deuteranomaly
18, 13.882, 311.281

Tritanomaly
18, 13.954, 350.635

Monochromacy



Original Color
18, 21.566, 329.724

Achromatopsia
19, 0.004, 296.813

Achromatomaly
18, 7.750, 328.194

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 21.566, 329.724 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(63, 34, 60)` looks like.

```
.text, #text, p{  
    color:rgb(63, 34, 60)  
}
```

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(63, 34, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 34, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 21.566, 329.724 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(63, 34, 60) }
```

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

```
.border{ border-color:rgb(63, 34, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 34, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 34, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 34, 60);  
box-shadow:4px 4px 4px 4px rgb(63, 34, 60)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 21.566, 329.724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 34, 60) }
```

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

```
.background{ background-color: rgb(63, 34,  
60) }
```

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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