

Converting Colors

CIELCh(13, 27.495, 345.389)

Have a look what the booklet for
CIELCh(13, 27.495, 345.389)
contains.

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Color

CIELCh(13, 27.531, 345.251)

Conversions

Conversions Part 1

Format	Color
Hex	3F0F2C
RGB	63, 15, 44
RGB Percent	25%, 6%, 17%
CMY	0.7540, 0.9422, 0.8284
CMYK	0.00, 0.77, 0.30, 0.75
HSL	324°, 62%, 15%
HSV	324°, 77%, 25%
XYZ	2.6505, 1.5625, 2.5217
YIQ	32.6580, 19.2990, 19.1950

Conversions

Conversions Part 2

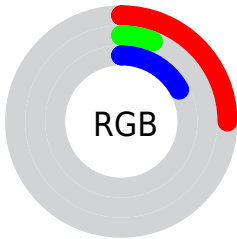
Format	Color
R_{YB}	63, 15, 44
Decimal	4132652
CIE _{Lab}	13.00, 26.62, -7.01
CIE _{LCh}	13, 27.531, 345.251
Yxy	1.5625, 0.3936, 0.2320
Android (android.graphics.Color)	4282322732 (0xFF3F0F2C)
YUV	32.6580, 5.5916, 26.6099
Hunter-Lab	12.5000, 15.9744, -3.2111




Details

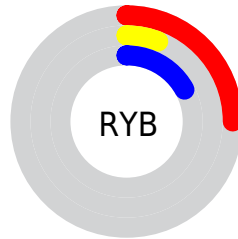
The CIELCh color **13, 27.531, 345.251** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **23, 27.288, 150.870**, and the grayscale version is **12, 0.003, 296.813**.




A 20% lighter version of the original color is **33, 27.880, 344.780**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 29.755, 346.733**, and if you desaturate by 10%, it is **14, 24.722, 343.982**.

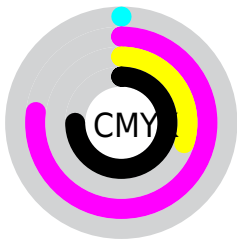
Distribution







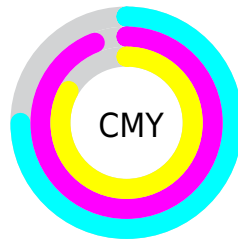
-  Red (25%)
-  Green (6%)
-  Blue (17%)






-  Red (25%)
-  Yellow (6%)
-  Blue (17%)



-  Cyan (0%)
-  Magenta (77%)
-  Yellow (30%)
-  Black (75%)





-  Cyan (75%)
-  Magenta (94%)
-  Yellow (83%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 27.531, 345.251 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 13, 27.531, 345.251 by changing the saturation by 10% instead.

 13, 27.531,
345.251


 13, 27.531,
345.251


 100, 27.531,
345.251


 3, 27.531, 345.251


 33, 27.531,
345.251

 0, 27.531, 345.251

 43, 27.531,
345.251


 53, 27.531,
345.251


 63, 27.531,
345.251


 73, 27.531,
345.251


 83, 27.531,


345.251


 93, 27.531,
345.251


 13, 27.531,
345.251


 13, 27.531,
345.251


 12, 29.755,
346.733


 14, 24.722,
343.982


 11, 32.021,
348.114

 16, 21.450,
342.882

 10, 32.898,
348.540

 17, 17.859,
341.909

 19, 14.078,
341.034

 21, 10.208,
340.233

■ 23, 6.322, 339.489

■ 25, 2.472, 338.767

■ 27, 1.309, 158.320

■ 29, 5.003, 157.632

Harmonies

Complementary

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



13, 27.531, 345.251



23, 27.288, 150.870

Rectangle

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



13, 27.531, 345.251



13, 27.531, 35.251



13, 27.531, 165.251



13, 27.531, 215.251

Sweetspot

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



13, 27.530, 345.252



29, 11.015, 340.043



9, 35.092, 309.199



13, 7.499, 340.155



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



13, 27.530, 345.252



16, 37.245, 348.406



12, 25.445, 20.974



10, 2.069, 338.906



19, 42.830, 350.382



49, 78.666, 352.894

Inverse Universe

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



13, 27.530, 345.252



16, 37.245, 348.406



23, 17.404, 184.004



10, 2.069, 338.906



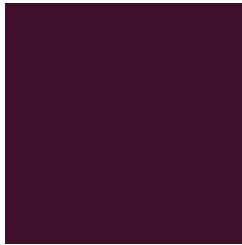
19, 42.830, 350.382



49, 78.666, 352.894

Previews

White Background



This preview shows how the CIE LCh color 13, 27.531, 345.251 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

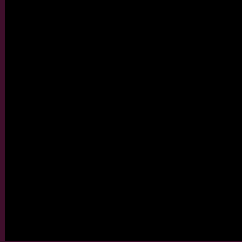
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 27.531, 345.251

Background



This preview shows how black text looks on a background with the CIELCh color 13, 27.531, 345.251.



This preview shows how white text looks on a background with the CIELCh color 13, 27.531, 345.251.

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

13, 27.531, 345.251

Protanopia

14, 16.545, 283.282

Deuteranopia

14, 4.314, 297.602



Tritanopia
13, 21.610, 23.154

Trichromacy



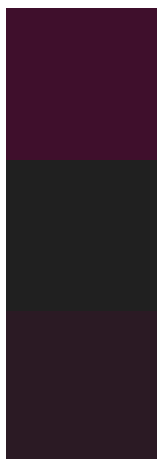
Original Color
13, 27.531, 345.251

Protanomaly
13, 18.605, 309.136

Deuteranomaly
13, 13.063, 333.431

Tritanomaly
13, 22.492, 6.700

Monochromacy



Original Color
13, 27.531, 345.251

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 10.972, 341.863

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 27.531, 345.251 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, 15, 44)` looks like.

```
.text, #text, p{  
    color:rgb(63, 15, 44)  
}
```

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, 15, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 15, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 27.531, 345.251 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, 15, 44) }
```

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

```
.border{ border-color:rgb(63, 15, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 15, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 15, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 15, 44);  
box-shadow:4px 4px 4px 4px rgb(63, 15, 44)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 13, 27.531, 345.251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 15, 44) }
```

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

```
.background{ background-color: rgb(63, 15,  
44) }
```

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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