

Converting Colors

CIE LCh(18, 18.202, 355.750)

Have a look what the booklet for
CIELCh(18, 18.202, 355.750)
contains.

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Color

CIELCh(18, 18.236, 355.835)

Conversions

Conversions Part 1

Format	Color
Hex	43212E
RGB	67, 33, 46
RGB Percent	26%, 13%, 18%
CMY	0.7356, 0.8691, 0.8181
CMYK	0.00, 0.50, 0.31, 0.74
HSL	337°, 34%, 20%
HSV	337°, 50%, 26%
XYZ	3.3996, 2.5180, 2.9318
YIQ	44.6480, 16.0910, 11.2510

Conversions

Conversions Part 2

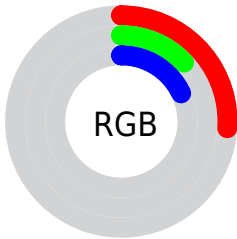
Format	Color
R_{YB}	67, 33, 46
Decimal	4399406
CIE Lab	18.00, 18.19, -1.32
CIE LCh	18, 18.236, 355.835
Yxy	2.5180, 0.3842, 0.2845
Android (android.graphics.Color)	4282589486 (0xFF43212E)
YUV	44.6480, 0.6665, 19.6027
Hunter-Lab	15.8683, 10.4714, 0.1536

Details

The CIELCh color **18, 18.236, 355.835** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **26, 16.596, 165.820**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 18.350, 354.734**, and **1, 6.390, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **16, 21.702, 357.454**, and if you desaturate by 10%, it is **20, 14.608, 354.472**.

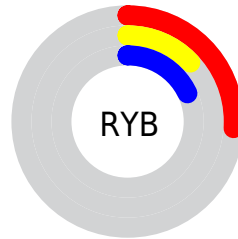
Distribution



Red (26%)

Green (13%)

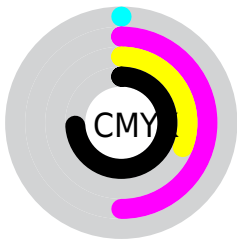
Blue (18%)



Red (26%)

Yellow (13%)

Blue (18%)

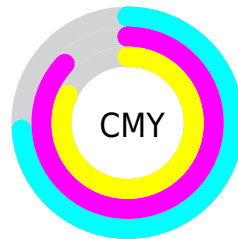


Cyan (0%)

Magenta (50%)

Yellow (31%)

Black (74%)



Cyan (74%)


Magenta (87%)


Yellow (82%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 18.236, 355.835 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, 18.236, 355.835 by changing the saturation by 10% instead.

 18, 18.236,
355.835


 18, 18.236,
355.835


 100, 18.236,
355.835


 8, 18.236, 355.835


 38, 18.236,
355.835

 0, 18.236, 355.835

 48, 18.236,
355.835


 58, 18.236,
355.835


 68, 18.236,
355.835


 78, 18.236,
355.835


 88, 18.236,


355.835


 98, 18.236,
355.835


 18, 18.236,
355.835

 18, 18.236,
355.835

 16, 21.702,
357.454

 20, 14.608,
354.472

 15, 24.879,
359.404

 22, 10.925,
353.298

 13, 27.624, 1.794

 24, 7.261, 352.267

 12, 29.959, 4.579

 26, 3.665, 351.335

 11, 32.460, 6.860

 28, 0.168, 349.352

 31, 3.214, 169.913

■ 33, 6.477, 169.212

■ 35, 9.620, 168.587

■ 38, 12.648,
168.016

Harmonies

Complementary

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



18, 18.236, 355.835



26, 16.596, 165.820

Rectangle

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



18, 18.236, 355.835



18, 18.236, 45.835



18, 18.236, 175.835



18, 18.236, 225.835

Sweetspot

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



18, 18.235, 355.837



33, 6.511, 351.804



17, 24.951, 314.998



15, 4.377, 351.881



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, 18.235, 355.837



22, 26.873, 357.989



19, 16.236, 32.484



12, 1.912, 351.154



19, 41.634, 9.819



48, 77.437, 14.174

Inverse Universe

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



18, 18.235, 355.837



22, 26.873, 357.989



25, 11.580, 210.821



12, 1.912, 351.154



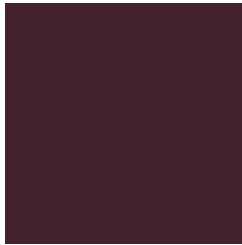
19, 41.634, 9.819



48, 77.437, 14.174

Previews

White Background



This preview shows how the CIELCh color 18, 18.236, 355.835 looks on a white background.

Color Contrast Check

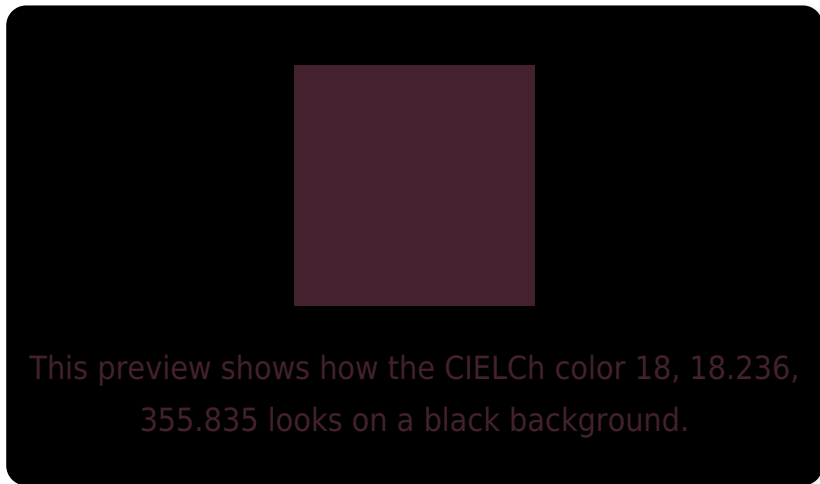
Large Text (above 18pt) WCAG AA ✓ Pass

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

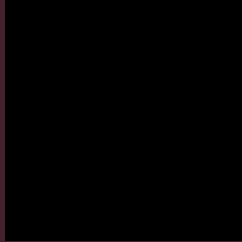
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 18.236, 355.835

Background



This preview shows how black text looks on a background with the CIELCh color 18, 18.236, 355.835.



This preview shows how white text looks on a background with the CIELCh color 18, 18.236, 355.835.

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, 18.236, 355.835

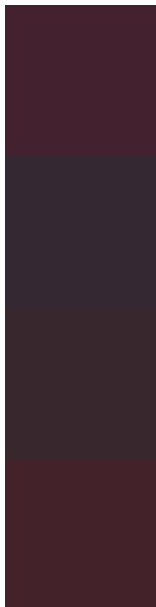
Protanopia
18, 6.216, 287.666

Deuteranopia
18, 3.192, 354.597



Tritanopia
18, 16.348, 16.667

Trichromacy



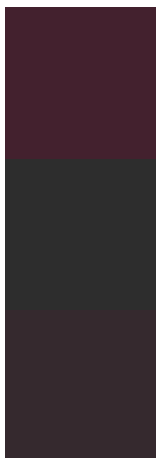
Original Color
18, 18.236, 355.835

Protanomaly
18, 9.417, 327.874

Deuteranomaly
18, 8.710, 353.436

Tritanomaly
18, 16.912, 7.927

Monochromacy



Original Color
18, 18.236, 355.835

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 6.698, 350.189

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 18.236, 355.835 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(67, 33, 46)` looks like.

```
.text, #text, p{  
    color:rgb(67, 33, 46)  
}
```

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(67, 33, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 33, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 18.236, 355.835 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(67, 33, 46) }
```

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

```
.border{ border-color:rgb(67, 33, 46) }
```

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

Here you see how a box with a 4 pixel rgb(67, 33, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 33, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 33, 46);  
box-shadow:4px 4px 4px 4px rgb(67, 33, 46)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 18.236, 355.835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 33, 46) }
```

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

```
.background{ background-color: rgb(67, 33,  
46) }
```

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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