

Converting Colors

CIELCh(12, 19.600, 354.494)

Have a look what the booklet for
CIELCh(12, 19.600, 354.494)
contains.

CIELCh(12, 19.570, 354.344)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(12, 19.570, 354.344)

Conversions

Conversions Part 1

Format	Color
Hex	371423
RGB	55, 20, 35
RGB Percent	22%, 8%, 14%
CMY	0.7860, 0.9231, 0.8642
CMYK	0.00, 0.64, 0.37, 0.79
HSL	334°, 47%, 15%
HSV	334°, 64%, 21%
XYZ	2.0938, 1.4064, 1.7223
YIQ	32.1750, 16.0450, 12.0850

Conversions

Conversions Part 2

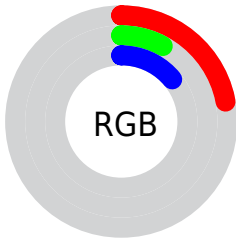
Format	Color
R_{YB}	55, 20, 35
Decimal	3609635
CIE _{Lab}	12.00, 19.47, -1.93
CIE _{LCh}	12, 19.570, 354.344
Yxy	1.4064, 0.4009, 0.2693
Android (android.graphics.Color)	4281799715 (0xFF371423)
YUV	32.1750, 1.3927, 20.0175
Hunter-Lab	11.8591, 10.7625, -0.3092

Details

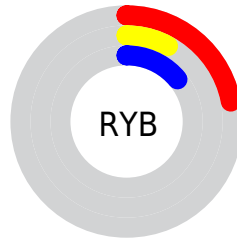
The CIELCh color **12, 19.570, 354.344** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **20, 17.962, 161.603**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 19.435, 354.262**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **11, 22.183, 356.096**, and if you desaturate by 10%, it is **13, 16.682, 352.875**.

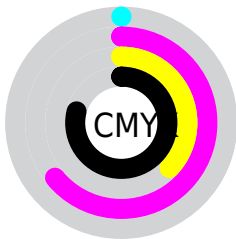
Distribution



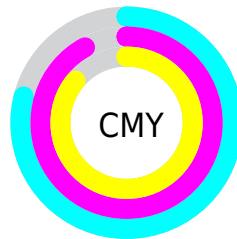
- Red (22%)
- Green (8%)
- Blue (14%)



- Red (22%)
- Yellow (8%)
- Blue (14%)



- Cyan (0%)
- Magenta (64%)
- Yellow (37%)
- Black (79%)



- Cyan (79%)
- Magenta (92%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 19.570, 354.344 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 12, 19.570, 354.344 by changing the saturation by 10% instead.

■ 12, 19.570,
354.344

■ 12, 19.570,
354.344

■ 100, 19.570,
354.344

■ 2, 19.570, 354.344

■ 32, 19.570,
354.344

■ 0, 19.570, 354.344

■ 42, 19.570,
354.344


■ 52, 19.570,
354.344


■ 62, 19.570,
354.344


■ 72, 19.570,
354.344

■ 82, 19.570,


354.344

 92, 19.570,
354.344


 12, 19.570,
354.344

 12, 19.570,
354.344


 11, 22.183,
356.096

 13, 16.682,
352.875

 10, 24.434,
358.188

 15, 13.629,
351.619

 9, 26.832, 0.041

 17, 10.500,
350.525

 8, 28.454, 0.886

 18, 7.359, 349.556

 20, 4.254, 348.679

 22, 1.213, 347.800

■ 24, 1.746, 167.333

■ 26, 4.614, 166.620

■ 28, 7.389, 166.005

Harmonies

Complementary

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



12, 19.570, 354.344



20, 17.962, 161.603

Rectangle

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



12, 19.570, 354.344



12, 19.570, 44.344



12, 19.570, 174.344



12, 19.570, 224.344

Sweetspot

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



12, 19.569, 354.345



26, 7.248, 349.188



11, 26.355, 313.846



11, 4.892, 349.259



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



12, 19.569, 354.345



15, 28.311, 357.500



12, 18.480, 29.863



9, 1.703, 348.201



18, 40.038, 5.129



47, 75.442, 9.445

Inverse Universe

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



12, 19.569, 354.345



15, 28.311, 357.500



20, 12.163, 204.800



9, 1.703, 348.201



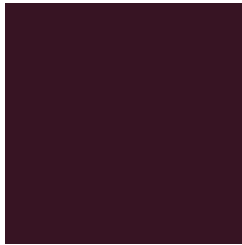
18, 40.038, 5.129



47, 75.442, 9.445

Previews

White Background



This preview shows how the CIE LCh color 12, 19.570, 354.344 looks on a white background.

Color Contrast Check

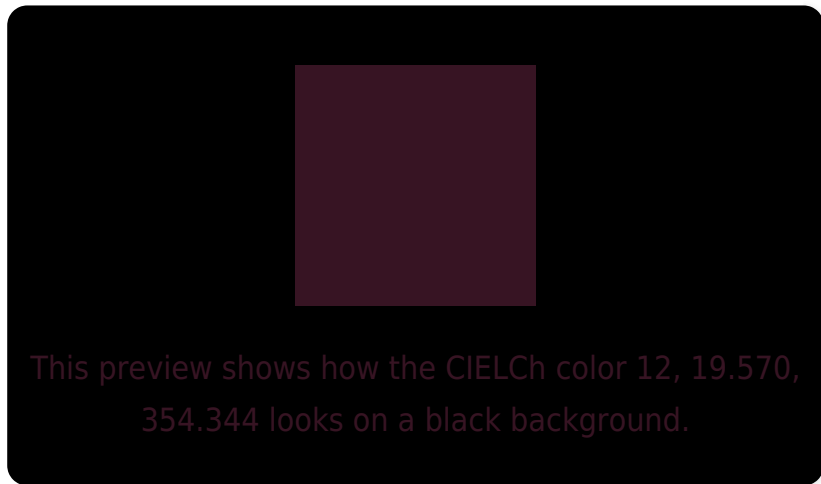
Large Text (above 18pt) WCAG AA ✓ Pass

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

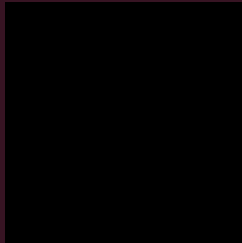
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 19.570, 354.344

Background



This preview shows how black text looks on a background with the CIELCh color 12, 19.570, 354.344.



This preview shows how white text looks on a background with the CIELCh color 12, 19.570, 354.344.

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

12, 19.570, 354.344

Protanopia

13, 7.969, 286.210

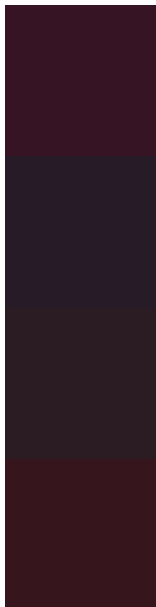
Deuteranopia

13, 2.133, 0.253



Tritanopia
12, 17.337, 20.637

Trichromacy



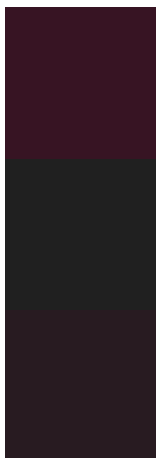
Original Color
12, 19.570, 354.344

Protanomaly
12, 11.004, 323.627

Deuteranomaly
12, 9.427, 350.142

Tritanomaly
12, 17.634, 9.678

Monochromacy



Original Color
12, 19.570, 354.344

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 7.827, 348.195

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 19.570, 354.344 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(55, 20, 35)` looks like.

```
.text, #text, p{  
    color:rgb(55, 20, 35)  
}
```

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(55, 20, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 20, 35) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 19.570, 354.344 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(55, 20, 35) }
```

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

```
.border{ border-color:rgb(55, 20, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 20, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 20, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 20, 35);  
box-shadow:4px 4px 4px 4px rgb(55, 20, 35)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 19.570, 354.344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 20, 35) }
```

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

```
.background{ background-color: rgb(55, 20,  
35) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor