

Converting Colors

CIELCh(21, 6.445, 0.318)

Have a look what the booklet for
CIELCh(21, 6.445, 0.318) contains.

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Color

CIELCh(21, 6.718, 357.296)

Conversions

Conversions Part 1

Format	Color
Hex	3C2F33
RGB	60, 47, 51
RGB Percent	24%, 18%, 20%
CMY	0.7643, 0.8153, 0.7996
CMYK	0.00, 0.22, 0.15, 0.76
HSL	342°, 12%, 21%
HSV	342°, 22%, 24%
XYZ	3.4903, 3.2451, 3.5863
YIQ	51.3430, 6.4640, 4.0000

Conversions

Conversions Part 2

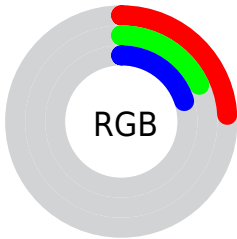
Format	Color
RYB	60, 47, 51
Decimal	3944243
CIELab	21.00, 6.71, -0.32
CIElCh	21, 6.718, 357.296
Yxy	3.2451, 0.3382, 0.3144
Android (android.graphics.Color)	4282134323 (0xFF3C2F33)
YUV	51.3430, -0.1691, 7.5922
Hunter-Lab	18.0142, 3.0604, 0.8064

Details

The CIELCh color **21, 6.718, 357.296** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **24, 6.374, 173.690**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **41, 6.411, 358.110**, and **1, 5.907, 359.449** is the 20% darker color. If you saturate the color by 10%, you get **19, 9.962, 358.379**, and if you desaturate by 10%, it is **23, 3.553, 356.338**.

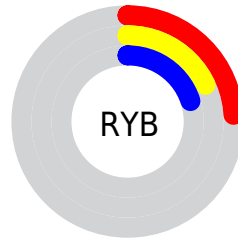
Distribution



Red (24%)

Green (18%)

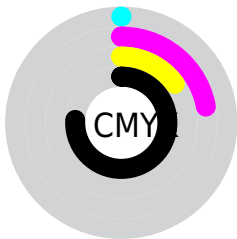
Blue (20%)



Red (24%)

Yellow (18%)

Blue (20%)

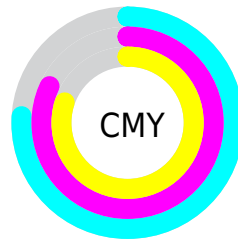


Cyan (0%)

Magenta (22%)

Yellow (15%)

Black (76%)



Cyan (76%)

Magenta (82%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 6.718, 357.296 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 21, 6.718, 357.296 by changing the saturation by 10% instead.

■ 21, 6.718, 357.296

■ 21, 6.718, 357.296

■ 100, 6.718,
357.296

■ 11, 6.718, 357.296

■ 41, 6.718, 357.296

■ 1, 6.718, 357.296

■ 51, 6.718, 357.296

■ 0, 6.718, 357.296

■ 61, 6.718, 357.296

■ 71, 6.718, 357.296

■ 81, 6.718, 357.296

■ 91, 6.718, 357.296

■ 21, 6.718, 357.296

■ 21, 6.718, 357.296

19, 9.962, 358.379

23, 3.553, 356.338

17, 13.248,
359.622

25, 0.491, 355.151

15, 16.517, 1.082

27, 2.457, 174.904

14, 19.685, 2.827

29, 5.289, 174.187

12, 22.648, 4.943

31, 8.007, 173.562

11, 25.293, 7.536

33, 10.617,
172.993

10, 27.813, 10.165

35, 13.125,
172.472

9, 30.170, 11.192

38, 15.538,
171.990

40, 17.865,
171.542

Harmonies

Complementary

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



21, 6.718, 357.296



24, 6.374, 173.690

Rectangle

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



21, 6.718, 357.296



21, 6.718, 47.296



21, 6.718, 177.296



21, 6.718, 227.296

Sweetspot

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



21, 6.717, 357.300



32, 2.282, 355.832



21, 9.689, 315.989



15, 1.528, 355.846



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



21, 6.717, 357.300



27, 10.229, 357.887



22, 5.421, 37.404



10, 1.712, 356.042



18, 41.489, 16.338



47, 78.956, 21.172

Inverse Universe

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



21, 6.717, 357.300



27, 10.229, 357.887



23, 4.789, 218.114



10, 1.712, 356.042



18, 41.489, 16.338



47, 78.956, 21.172

Previews

White Background



This preview shows how the CIELCh color 21, 6.718, 357.296 looks on a white background.

Color Contrast Check

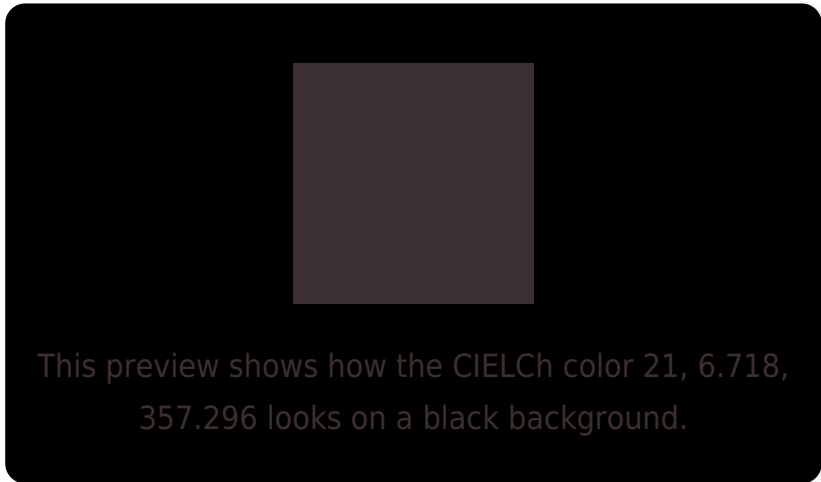
Large Text (above 18pt) WCAG AA ✓ Pass

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

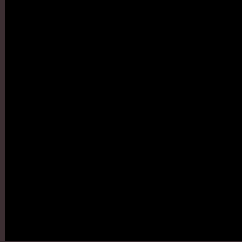
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 6.718, 357.296

Background



This preview shows how black text looks on a background with the CIELCh color 21, 6.718, 357.296.

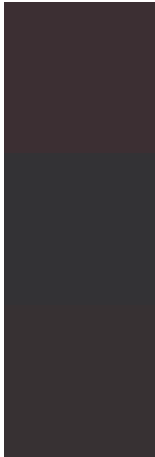


This preview shows how white text looks on a background with the CIELCh color 21, 6.718, 357.296.

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

21, 6.718, 357.296

Protanopia

21, 2.089, 303.296

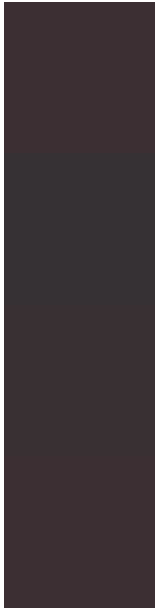
Deuteranopia

21, 3.130, 354.504



Tritanopia
21, 6.718, 357.296

Trichromacy



Original Color

21, 6.718, 357.296

Protanomaly

21, 3.099, 339.173

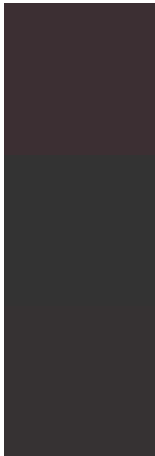
Deuteranomaly

21, 4.704, 354.958

Tritanomaly

21, 6.718, 357.296

Monochromacy



Original Color

21, 6.718, 357.296

Achromatopsia

21, 0.004, 296.813

Achromatomaly

21, 1.995, 0.004

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 6.718, 357.296 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(60, 47, 51)` looks like.

```
.text, #text, p{  
    color:rgb(60, 47, 51)  
}
```

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(60, 47, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 47, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 6.718, 357.296 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(60, 47, 51) }
```

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

```
.border{ border-color:rgb(60, 47, 51) }
```

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

Here you see how a box with a 4 pixel rgb(60, 47, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 47, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 47, 51);  
box-shadow:4px 4px 4px 4px rgb(60, 47, 51)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 6.718, 357.296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 47, 51) }
```

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

```
.background{ background-color: rgb(60, 47,  
51) }
```

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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