

Converting Colors

CIELCh(28, 12.091, 354.205)

Have a look what the booklet for
CIELCh(28, 12.091, 354.205)
contains.

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Color

CIELCh(28, 11.589, 355.349)

Conversions

Conversions Part 1

Format	Color
Hex	533C44
RGB	83, 60, 68
RGB Percent	33%, 24%, 27%
CMY	0.6753, 0.7654, 0.7341
CMYK	0.00, 0.28, 0.18, 0.68
HSL	339°, 16%, 28%
HSV	339°, 28%, 32%
XYZ	6.1937, 5.4574, 6.1657
YIQ	67.7890, 11.1400, 7.3640

Conversions

Conversions Part 2

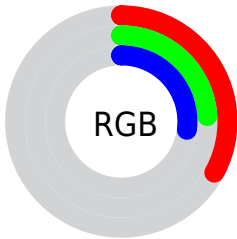
Format	Color
R_{YB}	83, 60, 68
Decimal	5454916
CIE _{Lab}	28.00, 11.55, -0.94
CIE _{LCh}	28, 11.589, 355.349
Yxy	5.4574, 0.3476, 0.3063
Android (android.graphics.Color)	4283644996 (0xFF533C44)
YUV	67.7890, 0.1040, 13.3400
Hunter-Lab	23.3610, 6.4439, 0.7042

Details

The CIELCh color **28, 11.589, 355.349** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **33, 10.893, 170.290**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 11.315, 356.379**, and **8, 11.116, 355.970** is the 20% darker color. If you saturate the color by 10%, you get **26, 15.914, 356.580**, and if you desaturate by 10%, it is **31, 7.314, 354.281**.

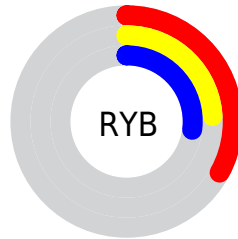
Distribution



 Red (33%)

 Green (24%)

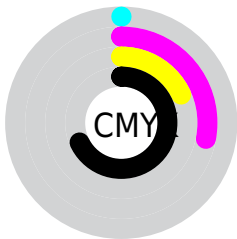
 Blue (27%)



 Red (33%)

 Yellow (24%)

 Blue (27%)

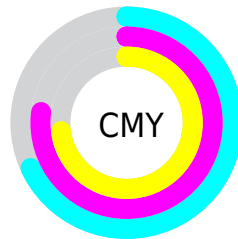


 Cyan (0%)

 Magenta (28%)

 Yellow (18%)

 Black (68%)



 Cyan (68%)


 Magenta (77%)


 Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 11.589, 355.349 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 28, 11.589, 355.349 by changing the saturation by 10% instead.

 28, 11.589,
355.349


 28, 11.589,
355.349

 100, 11.589,
355.349


 18, 11.589,
355.349


 48, 11.589,
355.349


 8, 11.589, 355.349

 58, 11.589,
355.349

 0, 11.589, 355.349

 68, 11.589,
355.349

 78, 11.589,
355.349

 88, 11.589,
355.349

 98, 11.589,

355.349

■ 28, 11.589,
355.349

■ 28, 11.589,
355.349

■ 26, 15.914,
356.580

■ 31, 7.314, 354.281

■ 33, 3.145, 353.306

■ 23, 20.207,
358.020

■ 36, 0.887, 172.831

■ 21, 24.346,
359.742

■ 39, 4.770, 171.861

■ 19, 28.174, 1.840

■ 41, 8.500, 171.162

■ 18, 31.519, 4.433

■ 44, 12.082,
170.535

■ 16, 34.234, 7.658

■ 47, 15.522,
169.962

■ 15, 36.810, 10.996

■ 15, 37.446, 11.672

■ 49, 18.830,
169.434

■ 52, 22.017,
168.946

Harmonies

Complementary

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



28, 11.589, 355.349



33, 10.893, 170.290

Rectangle

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



28, 11.589, 355.349



28, 11.589, 45.349



28, 11.589, 175.349



28, 11.589, 225.349

Sweetspot

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



28, 11.588, 355.352



43, 4.013, 353.356



28, 16.212, 315.212



21, 2.823, 353.452



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



28, 11.588, 355.352



35, 17.150, 356.112



29, 9.553, 34.182



15, 2.241, 353.398



20, 44.205, 13.476



49, 80.324, 17.575

Inverse Universe

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



28, 11.588, 355.352



35, 17.150, 356.112



32, 8.015, 214.257



15, 2.241, 353.398



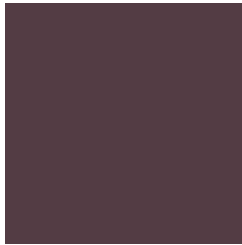
20, 44.205, 13.476



49, 80.324, 17.575

Previews

White Background



This preview shows how the CIELCh color 28, 11.589, 355.349 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 28, 11.589, 355.349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

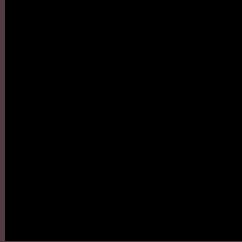
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 11.589, 355.349

Background



This preview shows how black text looks on a background with the CIELCh color 28, 11.589, 355.349.



This preview shows how white text looks on a background with the CIELCh color 28, 11.589, 355.349.

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

28, 11.589, 355.349

Protanopia

28, 3.238, 290.815

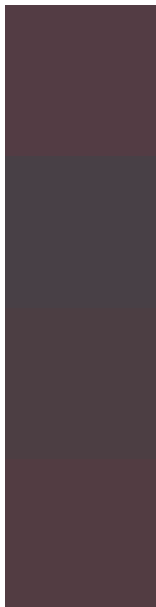
Deuteranopia

28, 4.092, 351.842



Tritanopia
28, 10.585, 3.785

Trichromacy



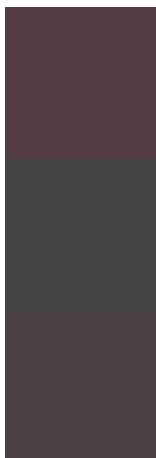
Original Color
28, 11.589, 355.349

Protanomaly
28, 5.274, 332.955

Deuteranomaly
28, 7.103, 353.710

Tritanomaly
28, 10.747, 0.467

Monochromacy



Original Color
28, 11.589, 355.349

Achromatopsia
29, 0.005, 296.813

Achromatomaly
28, 4.082, 351.831

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 11.589, 355.349 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(83, 60, 68)` looks like.

```
.text, #text, p{  
    color:rgb(83, 60, 68)  
}
```

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(83, 60, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 60, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 11.589, 355.349 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(83, 60, 68) }
```

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

```
.border{ border-color:rgb(83, 60, 68) }
```

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

Here you see how a box with a 4 pixel rgb(83, 60, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 60, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 60, 68);  
box-shadow:4px 4px 4px 4px rgb(83, 60, 68)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 11.589, 355.349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 60, 68) }
```

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

```
.background{ background-color: rgb(83, 60,  
68) }
```

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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