

Converting Colors

CIELCh(28, 12.538, 351.012)

Have a look what the booklet for
CIELCh(28, 12.538, 351.012)
contains.

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Color

CIELCh(28, 12.538, 351.012)

Conversions

Conversions Part 1

Format	Color
Hex	533B45
RGB	83, 59, 69
RGB Percent	33%, 23%, 27%
CMY	0.6730, 0.7672, 0.7279
CMYK	0.00, 0.29, 0.17, 0.67
HSL	335°, 17%, 28%
HSV	335°, 29%, 33%
XYZ	6.2710, 5.4574, 6.4144
YIQ	67.3160, 11.0940, 8.1980

Conversions

Conversions Part 2

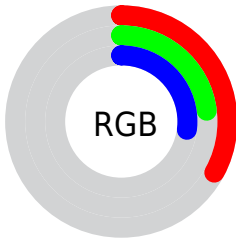
Format	Color
RYB	83, 59, 69
Decimal	5454661
CIELab	28.00, 12.38, -1.96
CIElCh	28, 12.538, 351.012
Yxy	5.4574, 0.3456, 0.3008
Android (android.graphics.Color)	4283644741 (0xFF533B45)
YUV	67.3160, 0.8302, 13.7549
Hunter-Lab	23.3610, 7.0343, 0.0730

Details

The CIELCh color **28, 12.538, 351.012** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **33, 11.946, 165.916**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 12.820, 350.817**, and **8, 12.141, 350.934** is the 20% darker color. If you saturate the color by 10%, you get **26, 16.984, 352.171**, and if you desaturate by 10%, it is **31, 8.102, 349.996**.

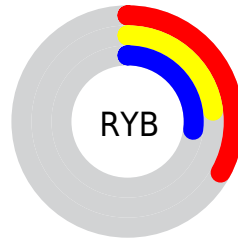
Distribution



 Red (33%)

 Green (23%)

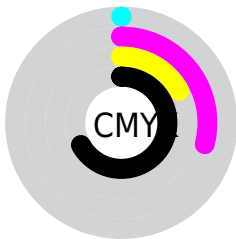
 Blue (27%)



 Red (33%)

 Yellow (23%)

 Blue (27%)

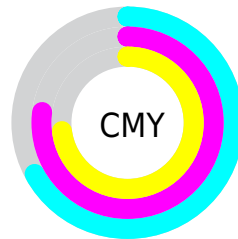


 Cyan (0%)

 Magenta (29%)

 Yellow (17%)

 Black (67%)



 Cyan (67%)


 Magenta (77%)


 Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 12.538, 351.012 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, 12.538, 351.012 by changing the saturation by 10% instead.

 28, 12.538,
351.012


 28, 12.538,
351.012

 100, 12.538,
351.012


 18, 12.538,
351.012


 48, 12.538,
351.012


 8, 12.538, 351.012

 58, 12.538,
351.012

 0, 12.538, 351.012

 68, 12.538,
351.012

 78, 12.538,
351.012

 88, 12.538,
351.012

 98, 12.538,

351.012

■ 28, 12.538,
351.012

■ 28, 12.538,
351.012

■ 26, 16.984,
352.171

■ 31, 8.102, 349.996

■ 33, 3.744, 349.066

■ 23, 21.347,
353.511

■ 36, 0.497, 168.790

■ 21, 25.487,
355.098

■ 38, 4.602, 167.641

■ 19, 29.234,
357.015

■ 41, 8.563, 166.949

■ 44, 12.381,
166.324

■ 18, 32.400,
359.372

■ 47, 16.059,
165.751

■ 17, 34.834, 2.298

■ 15, 37.159, 5.265

■ 49, 19.607,
165.220

■ 15, 37.464, 5.592

■ 52, 23.032,
164.726

Harmonies

Complementary

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



28, 12.538, 351.012



33, 11.946, 165.916

Rectangle

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



28, 12.538, 351.012



28, 12.538, 41.012



28, 12.538, 171.012



28, 12.538, 221.012

Sweetspot

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



28, 12.537, 351.014



43, 4.802, 349.114



27, 16.712, 313.089



21, 3.368, 349.201



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



28, 12.537, 351.014



35, 19.186, 351.860



28, 10.554, 28.140



15, 2.334, 349.056



21, 43.837, 7.156



50, 78.868, 10.898

Inverse Universe

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



28, 12.537, 351.014



35, 19.186, 351.860



33, 8.786, 206.534



15, 2.334, 349.056



21, 43.837, 7.156



50, 78.868, 10.898

Previews

White Background



This preview shows how the CIELCh color 28, 12.538, 351.012 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 CIELCh color 28, 12.538, 351.012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

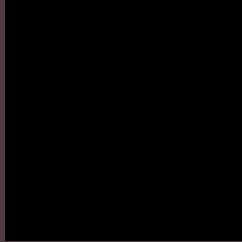
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 12.538, 351.012

Background



This preview shows how black text looks on a background with the CIELCh color 28, 12.538, 351.012.



This preview shows how white text looks on a background with the CIELCh color 28, 12.538, 351.012.

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, 12.538, 351.012

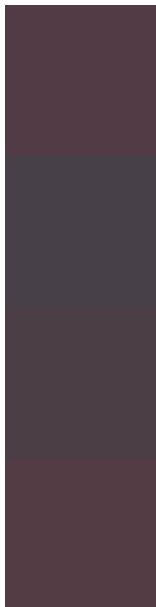
Protanopia
28, 4.545, 285.681

Deuteranopia
28, 4.426, 344.437



Tritanopia
28, 11.032, 4.631

Trichromacy



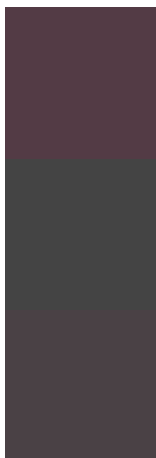
Original Color
28, 12.538, 351.012

Protanomaly
28, 6.279, 324.965

Deuteranomaly
28, 7.732, 345.061

Tritanomaly
28, 11.368, 358.334

Monochromacy



Original Color
28, 12.538, 351.012

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 4.786, 347.679

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 12.538, 351.012 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, 59, 69)` looks like.

```
.text, #text, p{  
    color:rgb(83, 59, 69)  
}
```

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, 59, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 59, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 12.538, 351.012 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, 59, 69) }
```

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

```
.border{ border-color:rgb(83, 59, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 59, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 59, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 59, 69);  
box-shadow:4px 4px 4px 4px rgb(83, 59, 69)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 12.538, 351.012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 59, 69) }
```

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

```
.background{ background-color: rgb(83, 59,  
69) }
```

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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