

Converting Colors

CIELCh(29, 20.748, 35.272)

Have a look what the booklet for
CIELCh(29, 20.748, 35.272) contains.

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Color

CIELCh(29, 20.567, 35.146)

Conversions

Conversions Part 1

Format	Color
Hex	623A33
RGB	98, 58, 51
RGB Percent	38%, 23%, 20%
CMY	0.6163, 0.7731, 0.8005
CMYK	0.00, 0.41, 0.48, 0.62
HSL	9°, 32%, 29%
HSV	9°, 48%, 38%
XYZ	7.1209, 5.8380, 3.8680
YIQ	69.1620, 26.0870, 6.3030

Conversions

Conversions Part 2

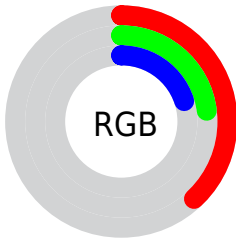
Format	Color
RYB	98, 59, 51
Decimal	6437427
CIELab	29.00, 16.82, 11.84
CIElCh	29, 20.567, 35.146
Yxy	5.8380, 0.4232, 0.3469
Android (android.graphics.Color)	4284627507 (0xFF623A33)
YUV	69.1620, -8.9539, 25.2909
Hunter-Lab	24.1619, 10.3233, 7.4218




Details

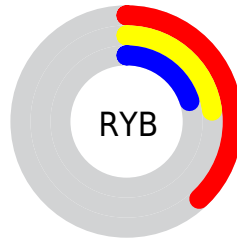
The CIELCh color **29, 20.567, 35.146** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **36, 14.650, 215.108**, and the grayscale version is **29, 0.005, 296.813**.




A 20% lighter version of the original color is **49, 20.753, 36.128**, and **9, 20.324, 35.689** is the 20% darker color. If you saturate the color by 10%, you get **27, 25.754, 36.011**, and if you desaturate by 10%, it is **31, 15.678, 34.531**.

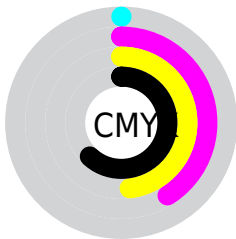
Distribution







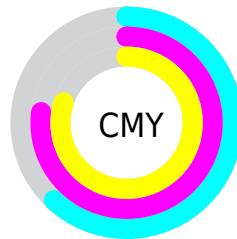
-  Red (38%)
-  Green (23%)
-  Blue (20%)






-  Red (38%)
-  Yellow (23%)
-  Blue (20%)



-  Cyan (0%)
-  Magenta (41%)
-  Yellow (48%)
-  Black (62%)



-  Cyan (62%)
-  Magenta (77%)
-  Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 20.567, 35.146 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 29, 20.567, 35.146 by changing the saturation by 10% instead.

■ 29, 20.567, 35.146

■ 29, 20.567, 35.146

■ 100, 20.567,
35.146

■ 19, 20.567, 35.146

■ 49, 20.567, 35.146

■ 9, 20.567, 35.146

■ 59, 20.567, 35.146

■ 0, 20.567, 35.146

■ 69, 20.567, 35.146

■ 79, 20.567, 35.146

■ 89, 20.567, 35.146

■ 99, 20.567, 35.146

■ 29, 20.567, 35.146

■ 29, 20.567, 35.146

27, 25.754, 36.011

31, 15.678, 34.531

25, 31.181, 37.140

34, 11.113, 34.110

23, 36.726, 38.523

37, 6.872, 33.841

21, 41.855, 39.556

39, 2.941, 33.654

20, 45.801, 39.749

42, 0.703, 214.208

20, 46.530, 39.888

45, 4.085, 213.869

48, 7.232, 213.939

50, 10.169,
214.072

53, 12.922,
214.241

Harmonies

Complementary

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



29, 20.567, 35.146



36, 14.650, 215.108

Rectangle

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



29, 20.567, 35.146



29, 20.567, 85.146



29, 20.567, 215.146



29, 20.567, 265.146

Sweetspot

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



29, 20.566, 35.150



49, 6.548, 33.771



29, 31.559, 331.017



24, 4.508, 33.799



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



29, 20.566, 35.150



35, 32.199, 36.186



35, 20.338, 82.410



19, 2.048, 33.671



23, 52.674, 40.949



52, 96.981, 41.826

Inverse Universe

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



36, 14.650, 215.108



46, 20.706, 216.072



29, 19.788, 276.347



19, 1.944, 213.871



37, 23.832, 223.037



76, 41.583, 224.963

Previews

White Background



This preview shows how the CIE LCh color 29, 20.567, 35.146 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 29, 20.567, 35.146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

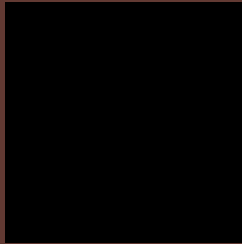
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 20.567, 35.146

Background



This preview shows how black text looks on a background with the CIELCh color 29, 20.567, 35.146.

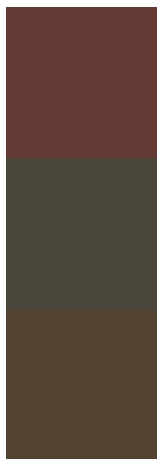


This preview shows how white text looks on a background with the CIELCh color 29, 20.567, 35.146.

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

29, 20.567, 35.146

Protanopia

29, 8.517, 95.721

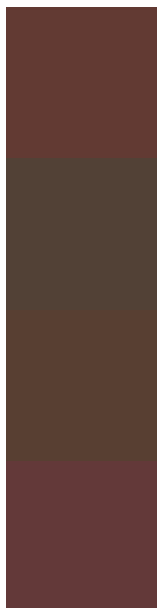
Deuteranopia

29, 13.585, 72.399



Tritanopia
29, 20.445, 14.673

Trichromacy



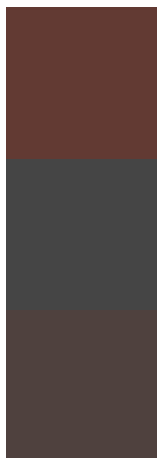
Original Color
29, 20.567, 35.146

Protanomaly
29, 10.965, 59.983

Deuteranomaly
29, 15.185, 53.792

Tritanomaly
29, 20.272, 23.249

Monochromacy



Original Color
29, 20.567, 35.146

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 6.824, 36.697

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 20.567, 35.146 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(98, 58, 51)` looks like.

```
.text, #text, p{  
    color:rgb(98, 58, 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(98, 58, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 58, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 20.567, 35.146 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(98, 58, 51) }
```

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

```
.border{ border-color:rgb(98, 58, 51) }
```

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

Here you see how a box with a 4 pixel rgb(98, 58, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 58, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 58, 51);  
box-shadow:4px 4px 4px 4px rgb(98, 58, 51)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 20.567, 35.146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 58, 51) }
```

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

```
.background{ background-color: rgb(98, 58,  
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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