

Converting Colors

CIELCh(29, 13.376, 66.688)

Have a look what the booklet for
CIELCh(29, 13.376, 66.688) contains.

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Color

CIELCh(29, 13.247, 66.148)

Conversions

Conversions Part 1

Format	Color
Hex	534132
RGB	83, 65, 50
RGB Percent	33%, 25%, 20%
CMY	0.6748, 0.7454, 0.8042
CMYK	0.00, 0.22, 0.40, 0.67
HSL	27°, 25%, 26%
HSV	27°, 40%, 33%
XYZ	6.0214, 5.8380, 3.8195
YIQ	68.6720, 15.5430, -0.8490

Conversions

Conversions Part 2

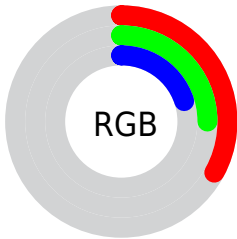
Format	Color
R_{YB}	83, 78, 50
Decimal	5456178
CIE Lab	29.00, 5.36, 12.12
CIE LCh	29, 13.247, 66.148
Yxy	5.8380, 0.3840, 0.3723
Android (android.graphics.Color)	4283646258 (0xFF534132)
YUV	68.6720, -9.2053, 12.5657
Hunter-Lab	24.1619, 2.2005, 7.5408

Details

The CIELCh color **29, 13.247, 66.148** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **28, 11.602, 256.179**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **49, 13.336, 67.762**, and **9, 13.234, 63.778** is the 20% darker color. If you saturate the color by 10%, you get **28, 16.999, 65.118**, and if you desaturate by 10%, it is **31, 9.668, 67.197**.

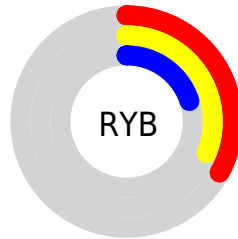
Distribution



 Red (33%)

 Green (25%)

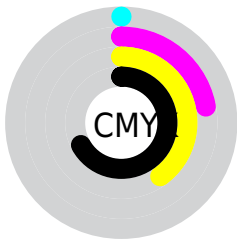
 Blue (20%)



 Red (33%)

 Yellow (31%)

 Blue (20%)

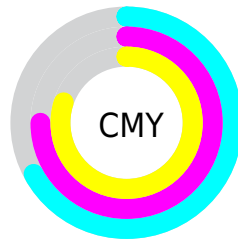


 Cyan (0%)

 Magenta (22%)

 Yellow (40%)

 Black (67%)



 Cyan (67%)

 Magenta (75%)

 Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 13.247, 66.148 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, 13.247, 66.148 by changing the saturation by 10% instead.

■ 29, 13.247, 66.148

■ 29, 13.247, 66.148

■ 100, 13.247,
66.148

■ 19, 13.247, 66.148

■ 49, 13.247, 66.148

■ 9, 13.247, 66.148

■ 59, 13.247, 66.148

■ 0, 13.247, 66.148

■ 69, 13.247, 66.148

■ 79, 13.247, 66.148

■ 89, 13.247, 66.148

■ 99, 13.247, 66.148

■ 29, 13.247, 66.148

■ 29, 13.247, 66.148

■ 28, 16.999, 65.118

■ 31, 9.668, 67.197

■ 26, 20.910, 64.085

■ 32, 6.262, 68.240

■ 25, 24.932, 63.035

■ 34, 3.021, 69.257

■ 23, 28.961, 61.912

■ 35, 0.068, 253.505

■ 22, 32.436, 60.244

■ 37, 3.019, 251.474

■ 21, 35.478, 58.473

■ 39, 5.846, 252.449

■ 21, 35.543, 58.439

■ 40, 8.562, 253.420

■ 42, 11.179,
254.368

■ 44, 13.708,
255.285

Harmonies

Complementary

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



29, 13.247, 66.148



28, 11.602, 256.179

Rectangle

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



29, 13.247, 66.148



29, 13.247, 116.148



29, 13.247, 246.148



29, 13.247, 296.148

Sweetspot

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



29, 13.247, 66.154



43, 4.606, 68.997



25, 18.677, 344.350



21, 3.024, 68.940



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



29, 13.247, 66.154



36, 20.237, 65.135



34, 19.295, 104.432



16, 1.698, 69.362



27, 43.940, 58.677



59, 81.333, 56.414

Inverse Universe

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



28, 11.602, 256.179



34, 17.072, 258.313



23, 20.953, 292.975



15, 1.659, 251.397



23, 32.605, 276.450



53, 62.172, 279.995

Previews

White Background



This preview shows how the CIELCh color 29, 13.247, 66.148 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 29, 13.247, 66.148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

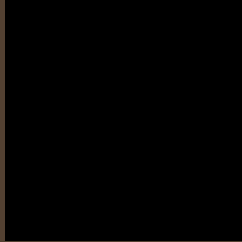
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 13.247, 66.148

Background



This preview shows how black text looks on a background with the CIELCh color 29, 13.247, 66.148.

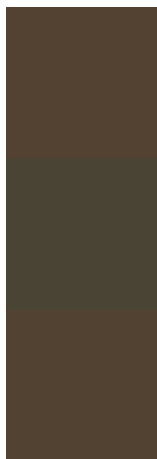


This preview shows how white text looks on a background with the CIELCh color 29, 13.247, 66.148.

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, 13.247, 66.148

Protanopia

29, 11.136, 95.503

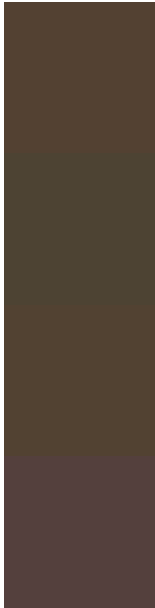
Deuteranopia

29, 12.741, 72.738



Tritanopia
29, 10.379, 7.101

Trichromacy



Original Color

29, 13.247, 66.148

Protanomaly

29, 11.388, 82.819

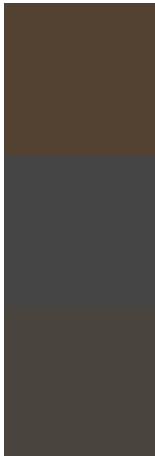
Deuteranomaly

29, 13.052, 70.994

Tritanomaly

29, 9.663, 32.308

Monochromacy



Original Color

29, 13.247, 66.148

Achromatopsia

29, 0.005, 296.813

Achromatomaly

29, 4.738, 73.606

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 13.247, 66.148 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, 65, 50)` looks like.

```
.text, #text, p{  
    color:rgb(83, 65, 50)  
}
```

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, 65, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 65, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 13.247, 66.148 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, 65, 50) }
```

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

```
.border{ border-color:rgb(83, 65, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 65, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 65, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 65, 50);  
box-shadow:4px 4px 4px 4px rgb(83, 65, 50)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 13.247, 66.148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 65, 50) }
```

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

```
.background{ background-color: rgb(83, 65,  
50) }
```

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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