

Converting Colors

CIELCh(29, 5.847, 21.635)

Have a look what the booklet for
CIELCh(29, 5.847, 21.635) contains.

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Color

CIELCh(29, 5.966, 20.388)

Conversions

Conversions Part 1

Format	Color
Hex	4E4141
RGB	78, 65, 65
RGB Percent	31%, 25%, 25%
CMY	0.6928, 0.7438, 0.7438
CMYK	0.00, 0.17, 0.17, 0.69
HSL	0°, 9%, 28%
HSV	0°, 17%, 31%
XYZ	6.0427, 5.8380, 5.8593
YIQ	68.8870, 7.7480, 2.7560

Conversions

Conversions Part 2

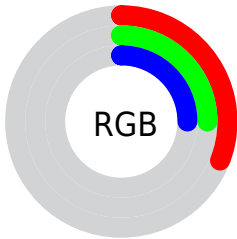
Format	Color
R_{YB}	78, 65, 65
Decimal	5128513
CIE Lab	29.00, 5.59, 2.08
CIE LCh	29, 5.966, 20.388
Yxy	5.8380, 0.3406, 0.3291
Android (android.graphics.Color)	4283318593 (0xFF4E4141)
YUV	68.8870, -1.9163, 7.9921
Hunter-Lab	24.1619, 2.3583, 2.5355

Details

The CIELCh color $29, 5.966, 20.388$ is a dark color, and the websafe version is hex 333333 . A complement of this color would be $32, 5.416, 198.669$, and the grayscale version is $29, 0.005, 296.813$.

A 20% lighter version of the original color is $49, 5.795, 20.021$, and $9, 5.971, 14.243$ is the 20% darker color. If you saturate the color by 10%, you get $26, 9.899, 21.249$, and if you desaturate by 10%, it is $32, 2.291, 19.663$.

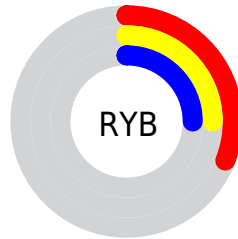
Distribution



Red (31%)

Green (25%)

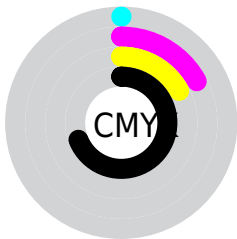
Blue (25%)



Red (31%)

Yellow (25%)

Blue (25%)

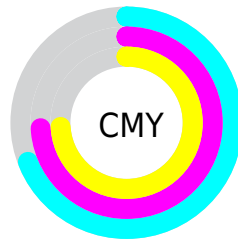


Cyan (0%)

Magenta (17%)

Yellow (17%)

Black (69%)



Cyan (69%)

Magenta (74%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 5.966, 20.388 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, 5.966, 20.388 by changing the saturation by 10% instead.

■ 29, 5.966, 20.388 ■ 29, 5.966, 20.388

■ 100, 5.966, 20.388 ■ 19, 5.966, 20.388

■ 49, 5.966, 20.388 ■ 9, 5.966, 20.388

■ 59, 5.966, 20.388 ■ 0, 5.966, 20.388

■ 69, 5.966, 20.388

■ 79, 5.966, 20.388

■ 89, 5.966, 20.388

■ 99, 5.966, 20.388

■ 29, 5.966, 20.388 ■ 29, 5.966, 20.388

■ 26, 9.899, 21.249 ■ 32, 2.291, 19.663

24, 14.087, 22.316

34, 1.132, 199.508

22, 18.502, 23.673

37, 4.322, 198.901

20, 23.088, 25.399

40, 7.297, 198.531

18, 27.754, 27.576

42, 10.081,
198.239

16, 32.312, 30.057

45, 12.694,
198.000

15, 35.939, 31.256

14, 38.970, 31.674

48, 15.156,
197.803

13, 40.035, 31.716

50, 17.483,
197.638

53, 19.693,
197.498

Harmonies

Complementary

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



29, 5.966, 20.388



32, 5.416, 198.669

Rectangle

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



29, 5.966, 20.388



29, 5.966, 70.388



29, 5.966, 200.388



29, 5.966, 250.388

Sweetspot

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



29, 5.965, 20.397



42, 2.145, 19.545



29, 10.093, 325.251



20, 1.447, 19.577



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



29, 5.965, 20.397



37, 9.066, 20.727



31, 5.095, 73.547



14, 1.910, 19.813



19, 50.500, 35.965



48, 96.565, 40.001

Inverse Universe

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



32, 5.416, 198.669



42, 8.021, 198.475



30, 4.904, 257.506



15, 1.818, 199.091



39, 25.567, 196.410



83, 46.266, 196.412

Previews

White Background



This preview shows how the CIELCh color 29, 5.966, 20.388 looks on a white background.

Color Contrast Check

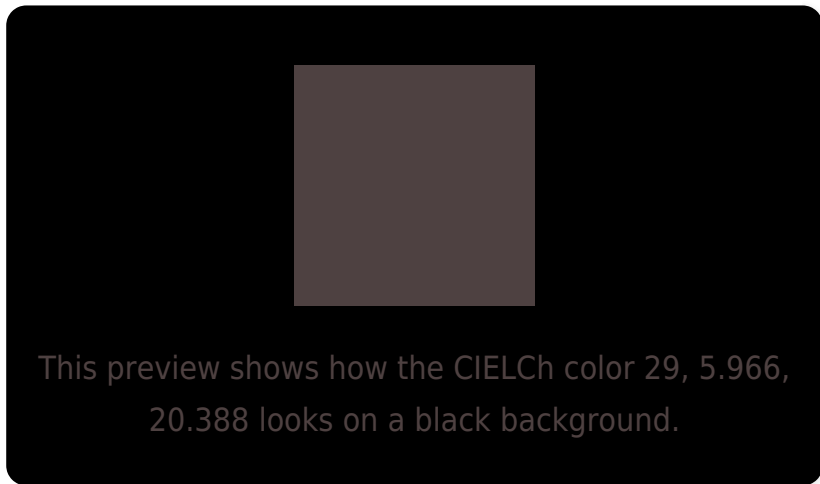
Large Text (above 18pt) WCAG AA ✓ Pass

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

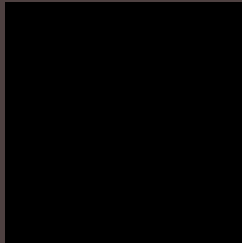
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 5.966, 20.388

Background



This preview shows how black text looks on a background with the CIELCh color 29, 5.966, 20.388.

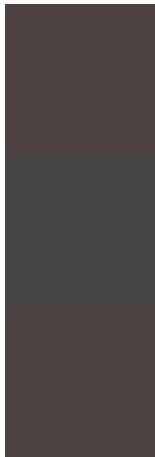


This preview shows how white text looks on a background with the CIELCh color 29, 5.966, 20.388.

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, 5.966, 20.388

Protanopia

29, 1.094, 55.186

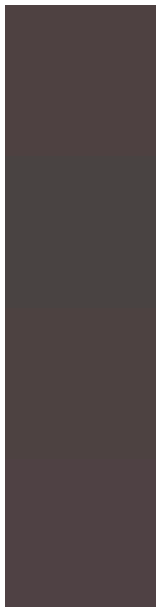
Deuteranopia

29, 4.619, 28.061



Tritanopia
29, 7.051, 353.651

Trichromacy



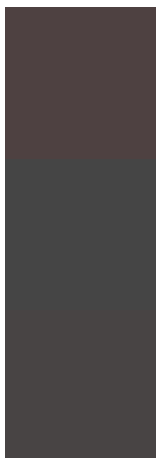
Original Color
29, 5.966, 20.388

Protanomaly
29, 2.786, 33.041

Deuteranomaly
29, 5.082, 27.407

Tritanomaly
29, 6.623, 3.723

Monochromacy



Original Color
29, 5.966, 20.388

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 1.788, 19.558

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 5.966, 20.388 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(78, 65, 65)` looks like.

```
.text, #text, p{  
    color:rgb(78, 65, 65)  
}
```

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(78, 65, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 65, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 5.966, 20.388 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(78, 65, 65) }
```

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

```
.border{ border-color:rgb(78, 65, 65) }
```

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

Here you see how a box with a 4 pixel rgb(78, 65, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 65, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 65, 65);  
box-shadow:4px 4px 4px 4px rgb(78, 65, 65)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 5.966, 20.388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 65, 65) }
```

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

```
.background{ background-color: rgb(78, 65,  
65) }
```

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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