

Converting Colors

CIELCh(28, 5.050, 19.413)

Have a look what the booklet for
CIELCh(28, 5.050, 19.413) contains.

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Color

CIELCh(28, 5.044, 20.230)

Conversions

Conversions Part 1

Format	Color
Hex	4B4040
RGB	75, 64, 64
RGB Percent	29%, 25%, 25%
CMY	0.7077, 0.7508, 0.7508
CMYK	0.00, 0.15, 0.15, 0.71
HSL	0°, 8%, 27%
HSV	0°, 15%, 29%
XYZ	5.5852, 5.4574, 5.5417
YIQ	67.2890, 6.5560, 2.3320

Conversions

Conversions Part 2

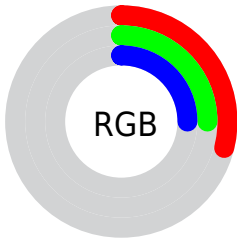
Format	Color
R_YB	75, 64, 64
Decimal	4931648
CIE Lab	28.00, 4.73, 1.74
CIE LCh	28, 5.044, 20.230
Yxy	5.4574, 0.3368, 0.3291
Android (android.graphics.Color)	4283121728 (0xFF4B4040)
YUV	67.2890, -1.6215, 6.7625
Hunter-Lab	23.3610, 1.7941, 2.2881

Details

The CIELCh color **28, 5.044, 20.230** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **31, 4.635, 198.760**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 4.963, 19.917**, and **8, 4.871, 20.597** is the 20% darker color. If you saturate the color by 10%, you get **26, 8.767, 21.052**, and if you desaturate by 10%, it is **30, 1.566, 19.495**.

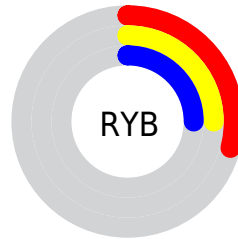
Distribution



Red (29%)

Green (25%)

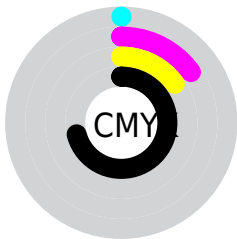
Blue (25%)



Red (29%)

Yellow (25%)

Blue (25%)

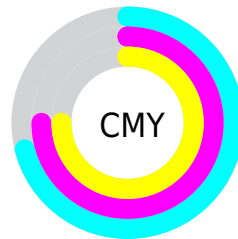


Cyan (0%)

Magenta (15%)

Yellow (15%)

Black (71%)



Cyan (71%)

Magenta (75%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 5.044, 20.230 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, 5.044, 20.230 by changing the saturation by 10% instead.

■ 28, 5.044, 20.230 ■ 28, 5.044, 20.230

■ 100, 5.044, 20.230 ■ 18, 5.044, 20.230

■ 48, 5.044, 20.230 ■ 8, 5.044, 20.230

■ 58, 5.044, 20.230 ■ 0, 5.044, 20.230

■ 68, 5.044, 20.230

■ 78, 5.044, 20.230

■ 88, 5.044, 20.230

■ 98, 5.044, 20.230

■ 28, 5.044, 20.230 ■ 28, 5.044, 20.230

■ 26, 8.767, 21.052 ■ 30, 1.566, 19.495

23, 12.736, 22.060

33, 1.676, 199.330

21, 16.928, 23.338

36, 4.697, 198.821

19, 21.297, 24.961

38, 7.520, 198.470

17, 25.766, 27.012

41, 10.162,
198.189

15, 30.169, 29.367

43, 12.646,
197.960

14, 33.762, 30.463

13, 36.699, 30.749

46, 14.987,
197.769

12, 38.305, 30.720

48, 17.204,
197.609

51, 19.310,
197.473

Harmonies

Complementary

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



28, 5.044, 20.230



31, 4.635, 198.760

Rectangle

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



28, 5.044, 20.230



28, 5.044, 70.230



28, 5.044, 200.230



28, 5.044, 250.230

Sweetspot

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



28, 5.043, 20.241



40, 1.639, 19.437



28, 8.586, 325.151



19, 1.151, 19.482



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



28, 5.043, 20.241



36, 7.762, 20.542



30, 4.319, 73.764



14, 1.910, 19.806



19, 50.501, 35.962



48, 96.566, 40.001

Inverse Universe

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



31, 4.635, 198.760



40, 6.963, 198.569



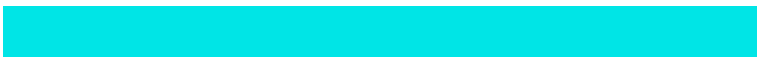
29, 4.179, 257.238



15, 1.819, 199.083



39, 25.570, 196.398



83, 46.272, 196.398

Previews

White Background



This preview shows how the CIELCh color 28, 5.044, 20.230 looks on a white background.

Color Contrast Check

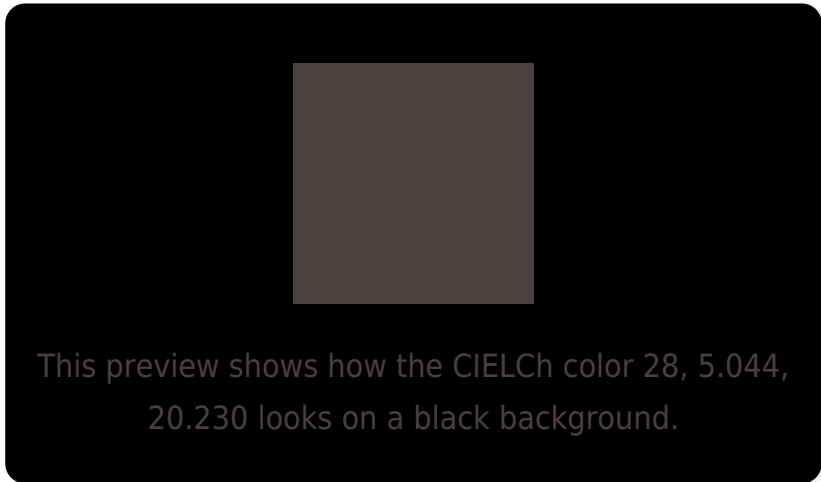
Large Text (above 18pt) WCAG AA ✓ Pass

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

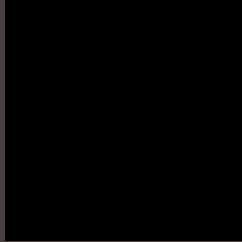
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 5.044, 20.230

Background



This preview shows how black text looks on a background with the CIELCh color 28, 5.044, 20.230.

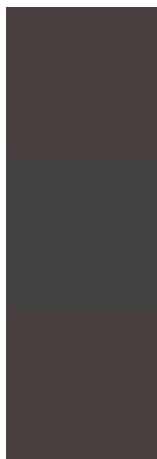


This preview shows how white text looks on a background with the CIELCh color 28, 5.044, 20.230.

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

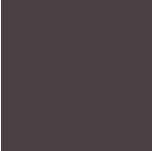
28, 5.044, 20.230

Protanopia

28, 1.099, 55.184

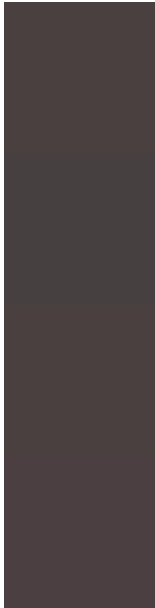
Deuteranopia

28, 4.645, 28.074



Tritanopia
28, 6.290, 349.693

Trichromacy



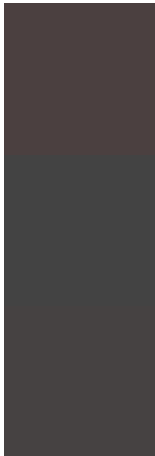
Original Color
28, 5.044, 20.230

Protanomaly
28, 2.355, 35.545

Deuteranomaly
28, 4.645, 28.074

Tritanomaly
28, 5.779, 0.896

Monochromacy



Original Color
28, 5.044, 20.230

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 1.797, 19.569

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 28, 5.044, 20.230 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(75, 64, 64)` looks like.

```
.text, #text, p{  
    color:rgb(75, 64, 64)  
}
```

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(75, 64, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 64, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 5.044, 20.230 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(75, 64, 64) }
```

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

```
.border{ border-color:rgb(75, 64, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 64, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 64, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 64, 64);  
box-shadow:4px 4px 4px 4px rgb(75, 64, 64)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 5.044, 20.230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 64, 64) }
```

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

```
.background{ background-color: rgb(75, 64,  
64) }
```

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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