

Converting Colors

CIELCh(28, 18.800, 342.780)

Have a look what the booklet for
CIELCh(28, 18.800, 342.780)
contains.

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Color

CIELCh(28, 18.765, 342.746)

Conversions

Conversions Part 1

Format	Color
Hex	59384B
RGB	89, 56, 75
RGB Percent	35%, 22%, 29%
CMY	0.6511, 0.7804, 0.7060
CMYK	0.00, 0.37, 0.16, 0.65
HSL	325°, 23%, 28%
HSV	325°, 37%, 35%
XYZ	6.8008, 5.4574, 7.3484
YIQ	68.0330, 13.5690, 12.9050

Conversions

Conversions Part 2

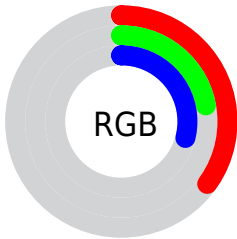
Format	Color
RYB	89, 56, 75
Decimal	5847115
CIELab	28.00, 17.92, -5.57
CIElCh	28, 18.765, 342.746
Yxy	5.4574, 0.3469, 0.2783
Android (android.graphics.Color)	4284037195 (0xFF59384B)
YUV	68.0330, 3.4347, 18.3881
Hunter-Lab	23.3610, 11.0824, -2.2973

Details

The CIELCh color **28, 18.765, 342.746** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **35, 18.263, 156.682**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **48, 18.625, 342.879**, and **8, 18.619, 342.744** is the 20% darker color. If you saturate the color by 10%, you get **26, 23.685, 343.756**, and if you desaturate by 10%, it is **31, 13.692, 341.841**.

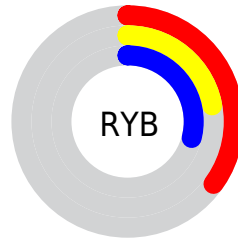
Distribution



Red (35%)

Green (22%)

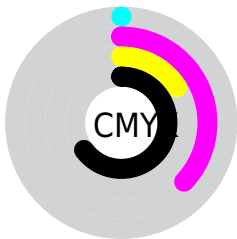
Blue (29%)



Red (35%)

Yellow (22%)

Blue (29%)

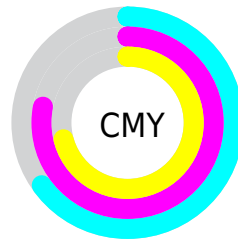


Cyan (0%)

Magenta (37%)

Yellow (16%)

Black (65%)



Cyan (65%)

Magenta (78%)


Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 18.765, 342.746 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, 18.765, 342.746 by changing the saturation by 10% instead.

 28, 18.765,
342.746

 28, 18.765,
342.746

 100, 18.765,
342.746


 18, 18.765,
342.746


 48, 18.765,
342.746


 8, 18.765, 342.746

 58, 18.765,
342.746

 0, 18.765, 342.746

 68, 18.765,
342.746

 78, 18.765,
342.746

 88, 18.765,
342.746

 98, 18.765,

342.746

■ 28, 18.765,
342.746

■ 28, 18.765,
342.746

■ 26, 23.685,
343.756

■ 31, 13.692,
341.841

■ 23, 28.296,
344.900

■ 33, 8.587, 341.012

■ 22, 32.396,
346.227

■ 36, 3.529, 340.225

■ 39, 1.432, 159.737

■ 20, 35.763,
347.803

■ 41, 6.266, 158.976

■ 19, 38.197,
349.714

■ 44, 10.961,
158.359

■ 18, 40.054,
351.827

■ 47, 15.510,
157.790

■ 17, 40.648,
352.408

■ 50, 19.916,
157.258

■ 53, 24.185,
156.761

Harmonies

Complementary

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



28, 18.765, 342.746



35, 18.263, 156.682

Rectangle

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



28, 18.765, 342.746



28, 18.765, 32.746



28, 18.765, 162.746



28, 18.765, 212.746

Sweetspot

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



28, 18.764, 342.747



45, 6.787, 340.561



26, 22.326, 308.021



22, 4.600, 340.623



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



28, 18.764, 342.747



34, 27.340, 343.576



27, 15.746, 16.124



16, 2.734, 340.357



22, 46.083, 353.208



51, 81.037, 355.594

Inverse Universe

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



28, 18.764, 342.747



34, 27.340, 343.576



35, 12.909, 189.995



16, 2.734, 340.357



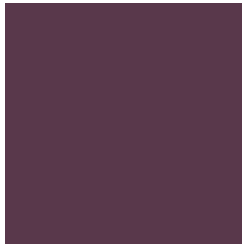
22, 46.083, 353.208



51, 81.037, 355.594

Previews

White Background



This preview shows how the CIELCh color 28, 18.765, 342.746 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, 18.765, 342.746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

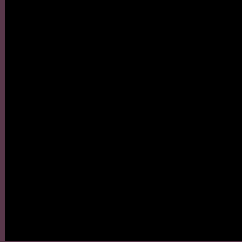
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 18.765, 342.746

Background



This preview shows how black text looks on a background with the CIELCh color 28, 18.765, 342.746.



This preview shows how white text looks on a background with the CIELCh color 28, 18.765, 342.746.

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, 18.765, 342.746

Protanopia

28, 10.390, 285.508

Deuteranopia

28, 5.640, 313.706



Tritanopia
28, 14.289, 9.317

Trichromacy



Original Color
28, 18.765, 342.746

Protanomaly
28, 11.862, 312.931

Deuteranomaly
28, 10.173, 331.620

Tritanomaly
28, 15.426, 358.031

Monochromacy



Original Color
28, 18.765, 342.746

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 6.992, 340.507

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 18.765, 342.746 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(89, 56, 75)` looks like.

```
.text, #text, p{  
    color:rgb(89, 56, 75)  
}
```

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(89, 56, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 56, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 18.765, 342.746 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(89, 56, 75) }
```

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

```
.border{ border-color:rgb(89, 56, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 56, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 56, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 56, 75);  
box-shadow:4px 4px 4px 4px rgb(89, 56, 75)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 18.765, 342.746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 56, 75) }
```

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

```
.background{ background-color: rgb(89, 56,  
75) }
```

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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