

Converting Colors

CIELCh(29, 4.744, 206.321)

Have a look what the booklet for
CIELCh(29, 4.744, 206.321) contains.

CIELCh(29, 4.682, 206.677)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(29, 4.682, 206.677)

Conversions

Conversions Part 1

Format	Color
Hex	3B4647
RGB	59, 70, 71
RGB Percent	23%, 27%, 28%
CMY	0.7670, 0.7238, 0.7199
CMYK	0.17, 0.01, 0.00, 0.72
HSL	185°, 9%, 26%
HSV	185°, 17%, 28%
XYZ	5.1975, 5.8380, 6.8874
YIQ	66.8250, -6.8770, -2.0210

Conversions

Conversions Part 2

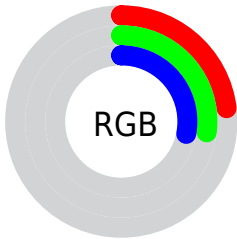
Format	Color
R_{YB}	59, 65, 71
Decimal	3884615
CIE Lab	29.00, -4.18, -2.10
CIE LCh	29, 4.682, 206.677
Yxy	5.8380, 0.2900, 0.3257
Android (android.graphics.Color)	4282074695 (0xFF3B4647)
YUV	66.8250, 2.0583, -6.8625
Hunter-Lab	24.1619, -3.8862, 0.0127

Details

The CIELCh color $29, 4.682, 206.677$ is a dark color, and the websafe version is hex 333333 . A complement of this color would be $27, 5.171, 27.445$, and the grayscale version is $29, 0.004, 296.813$.

A 20% lighter version of the original color is $49, 4.726, 206.133$, and $9, 4.698, 207.377$ is the 20% darker color. If you saturate the color by 10%, you get $28, 7.254, 206.541$, and if you desaturate by 10%, it is $30, 1.944, 206.924$.

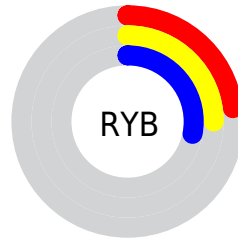
Distribution



 Red (23%)

 Green (27%)

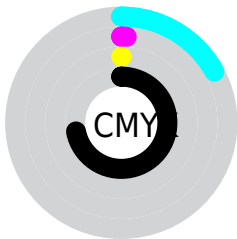
 Blue (28%)





 Red (23%)

 Yellow (25%)

 Blue (28%)

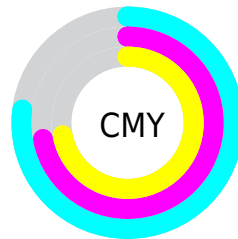



 Cyan (17%)


 Magenta (1%)

 Yellow (0%)

 Black (72%)



 Cyan (77%)

 Magenta (72%)

 Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 4.682, 206.677 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, 4.682, 206.677 by changing the saturation by 10% instead.

■ 29, 4.682, 206.677

■ 29, 4.682, 206.677

■ 100, 4.682,
206.677

■ 19, 4.682, 206.677

■ 49, 4.682, 206.677

■ 9, 4.682, 206.677

■ 59, 4.682, 206.677

■ 0, 4.682, 206.677

■ 69, 4.682, 206.677

■ 79, 4.682, 206.677

■ 89, 4.682, 206.677

■ 99, 4.682, 206.677

■ 29, 4.682, 206.677

■ 29, 4.682, 206.677

■ 28, 7.254, 206.541

■ 30, 1.944, 206.924

■ 28, 9.623, 206.510

■ 31, 0.928, 26.731

■ 27, 11.751,
206.586

■ 32, 3.901, 27.228

■ 26, 13.602,
206.785

■ 32, 6.950, 27.569

■ 26, 15.145,
207.128

■ 33, 10.053, 27.917

■ 25, 16.357,
207.636

■ 34, 13.191, 28.279

■ 35, 16.348, 28.650

■ 25, 17.232,
208.330

■ 37, 19.514, 29.028

■ 38, 22.679, 29.408

■ 25, 17.985,
209.055

■ 25, 18.232,
209.268

Harmonies

Complementary

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



29, 4.682, 206.677



27, 5.171, 27.445

Rectangle

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



29, 4.682, 206.677



29, 4.682, 256.677



29, 4.682, 26.677



29, 4.682, 76.677

Sweetspot

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



29, 4.682, 206.667



38, 1.763, 207.001



29, 9.028, 145.354



19, 1.184, 206.984



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



29, 4.682, 206.667



37, 6.785, 206.606



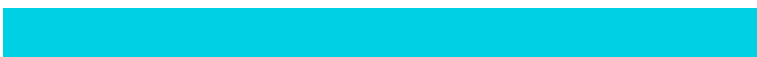
27, 4.893, 264.402



14, 1.583, 206.860



35, 22.794, 209.962



76, 41.408, 211.093

Inverse Universe

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



27, 8.939, 327.613



34, 13.108, 327.819



28, 5.004, 80.342



13, 2.950, 327.177



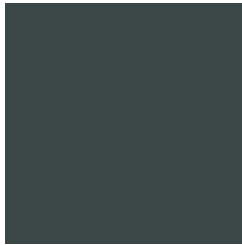
22, 54.473, 331.625



53, 99.047, 331.902

Previews

White Background



This preview shows how the CIE LCh color 29, 4.682, 206.677 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, 4.682, 206.677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

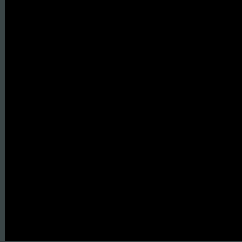
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

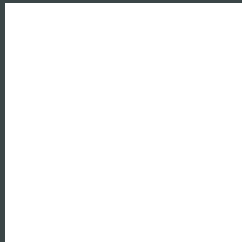
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 29, 4.682, 206.677

Background



This preview shows how black text looks on a background with the CIELCh color 29, 4.682, 206.677.



This preview shows how white text looks on a background with the CIELCh color 29, 4.682, 206.677.

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

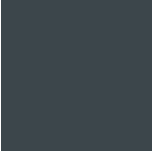
29, 4.682, 206.677

Protanopia

29, 1.369, 309.138

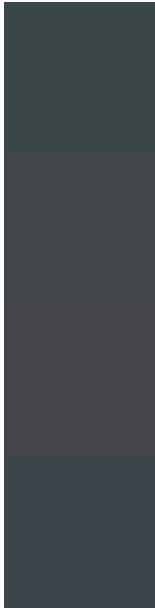
Deuteranopia

29, 4.963, 329.091



Tritanopia
29, 5.178, 237.505

Trichromacy



Original Color

29, 4.682, 206.677

Protanomaly

29, 1.813, 244.686

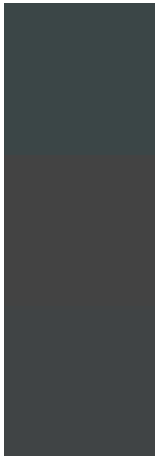
Deuteranomaly

29, 2.579, 290.681

Tritanomaly

29, 4.843, 231.133

Monochromacy



Original Color

29, 4.682, 206.677

Achromatopsia

28, 0.004, 296.813

Achromatomaly

29, 1.845, 219.784

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 4.682, 206.677 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(59, 70, 71)` looks like.

```
.text, #text, p{  
    color:rgb(59, 70, 71)  
}
```

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(59, 70, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 70, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 4.682, 206.677 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(59, 70, 71) }
```

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

```
.border{ border-color:rgb(59, 70, 71) }
```

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

Here you see how a box with a 4 pixel rgb(59, 70, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 70, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 70, 71);  
box-shadow:4px 4px 4px 4px rgb(59, 70, 71)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 4.682, 206.677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 70, 71) }
```

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

```
.background{ background-color: rgb(59, 70,  
71) }
```

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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