

Converting Colors

CIELCh(29, 11.480, 163.813)

Have a look what the booklet for
CIELCh(29, 11.480, 163.813)
contains.

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Color

CIELCh(29, 11.514, 163.653)

Conversions

Conversions Part 1

Format	Color
Hex	33493F
RGB	51, 73, 63
RGB Percent	20%, 29%, 25%
CMY	0.7998, 0.7135, 0.7527
CMYK	0.30, 0.00, 0.14, 0.71
HSL	153°, 18%, 24%
HSV	153°, 30%, 29%
XYZ	4.6536, 5.8380, 5.5929
YIQ	65.2820, -9.9020, -7.7740

Conversions

Conversions Part 2

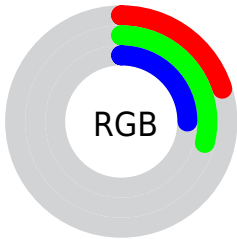
Format	Color
R_{YB}	51, 65, 73
Decimal	3361087
CIE _{Lab}	29.00, -11.05, 3.24
CIE _{LCh}	29, 11.514, 163.653
Yxy	5.8380, 0.2893, 0.3630
Android (android.graphics.Color)	4281551167 (0xFF33493F)
YUV	65.2820, -1.1250, -12.5253
Hunter-Lab	24.1619, -7.9041, 3.1892

Details

The CIELCh color **29, 11.514, 163.653** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **24, 12.004, 348.752**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 11.580, 164.288**, and **9, 11.195, 165.325** is the 20% darker color. If you saturate the color by 10%, you get **28, 15.192, 162.634**, and if you desaturate by 10%, it is **30, 7.734, 164.579**.

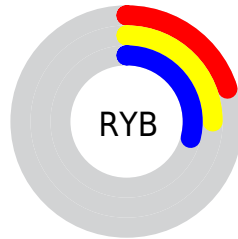
Distribution



Red (20%)

Green (29%)

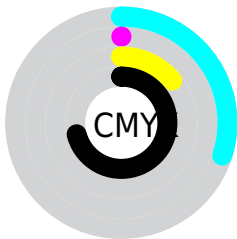
Blue (25%)



Red (20%)

Yellow (25%)

Blue (29%)

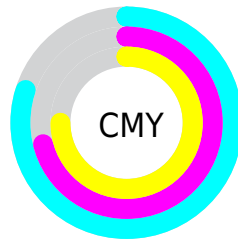


Cyan (30%)

Magenta (0%)

Yellow (14%)

Black (71%)



Cyan (80%)


Magenta (71%)


Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 11.514, 163.653 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, 11.514, 163.653 by changing the saturation by 10% instead.

 29, 11.514,
163.653


 29, 11.514,
163.653

 100, 11.514,
163.653


 19, 11.514,
163.653


 49, 11.514,
163.653


 9, 11.514, 163.653

 59, 11.514,
163.653

 0, 11.514, 163.653

 69, 11.514,
163.653

 79, 11.514,
163.653

 89, 11.514,
163.653

 99, 11.514,

163.653

■ 29, 11.514,
163.653

■ 29, 11.514,
163.653

■ 28, 15.192,
162.634

■ 30, 7.734, 164.579

■ 30, 3.897, 165.443

■ 28, 18.716,
161.508

■ 31, 0.042, 171.105

■ 28, 22.034,
160.255

■ 32, 3.798, 346.820

■ 27, 25.096,
158.856

■ 33, 7.598, 347.511

■ 27, 27.863,
157.297

■ 34, 11.337,
348.140

■ 27, 30.336,
155.602

■ 35, 15.003,
348.729

■ 27, 32.749,
154.132

■ 36, 18.586,
349.283

■ 37, 22.081,
349.808

Harmonies

Complementary

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



29, 11.514, 163.653



24, 12.004, 348.752

Rectangle

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



29, 11.514, 163.653



29, 11.514, 213.653



29, 11.514, 343.653



29, 11.514, 33.653

Sweetspot

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



29, 11.515, 163.651



39, 4.285, 165.510



29, 15.000, 128.999



19, 3.003, 165.439



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



29, 11.515, 163.651



37, 16.904, 162.925



29, 8.610, 201.279



14, 2.105, 165.577



37, 41.326, 153.030



80, 78.211, 151.210

Inverse Universe

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



24, 12.004, 348.752



30, 17.792, 349.524



24, 10.362, 24.081



13, 2.133, 346.770



20, 42.401, 3.361



49, 77.307, 7.065

Previews

White Background



This preview shows how the CIELCh color 29, 11.514, 163.653 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, 11.514, 163.653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

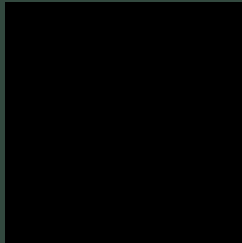
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 11.514, 163.653

Background



This preview shows how black text looks on a background with the CIELCh color 29, 11.514, 163.653.



This preview shows how white text looks on a background with the CIELCh color 29, 11.514, 163.653.

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](#).

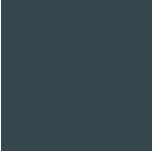
Dichromacy



Original Color
29, 11.514, 163.653

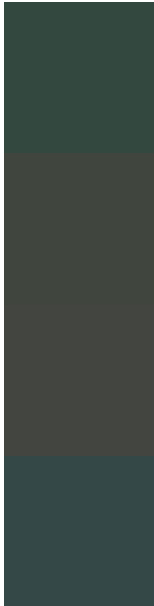
Protanopia
29, 5.310, 93.993

Deuteranopia
29, 4.619, 28.061



Tritanopia
29, 7.706, 228.789

Trichromacy



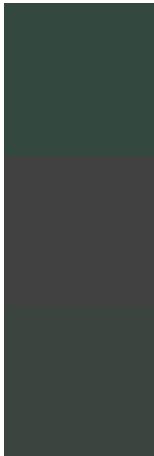
Original Color
29, 11.514, 163.653

Protanomaly
29, 6.400, 134.193

Deuteranomaly
29, 3.338, 125.201

Tritanomaly
29, 7.808, 198.223

Monochromacy



Original Color
29, 11.514, 163.653

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 4.410, 162.821

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 11.514, 163.653 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(51, 73, 63)` looks like.

```
.text, #text, p{  
    color:rgb(51, 73, 63)  
}
```

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(51, 73, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 73, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 11.514, 163.653 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(51, 73, 63) }
```

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

```
.border{ border-color:rgb(51, 73, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 73, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 73, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 73, 63);  
box-shadow:4px 4px 4px 4px rgb(51, 73, 63)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 11.514, 163.653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 73, 63) }
```

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

```
.background{ background-color: rgb(51, 73,  
63) }
```

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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