

Converting Colors

CIELCh(29, 20.250, 142.229)

Have a look what the booklet for
CIELCh(29, 20.250, 142.229)
contains.

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Color

CIELCh(29, 20.305, 142.245)

Conversions

Conversions Part 1

Format	Color
Hex	314B31
RGB	49, 75, 49
RGB Percent	19%, 29%, 19%
CMY	0.8094, 0.7075, 0.8094
CMYK	0.35, 0.00, 0.35, 0.71
HSL	120°, 21%, 24%
HSV	120°, 35%, 29%
XYZ	4.2819, 5.8380, 3.7643
YIQ	64.2620, -7.1500, -13.5980

Conversions

Conversions Part 2

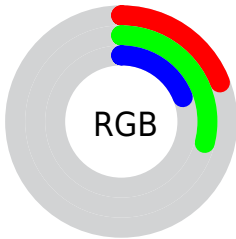
Format	Color
R_{YB}	49, 75, 75
Decimal	3230513
CIE _{Lab}	29.00, -16.05, 12.43
CIE _{LCh}	29, 20.305, 142.245
Yxy	5.8380, 0.3084, 0.4205
Android (android.graphics.Color)	4281420593 (0xFF314B31)
YUV	64.2620, -7.5242, -13.3848
Hunter-Lab	24.1619, -10.6498, 7.6762

Details

The CIELCh color **29, 20.305, 142.245** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **24, 20.299, 326.143**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 20.543, 142.128**, and **9, 20.363, 141.703** is the 20% darker color. If you saturate the color by 10%, you get **28, 25.965, 141.393**, and if you desaturate by 10%, it is **30, 14.499, 142.999**.

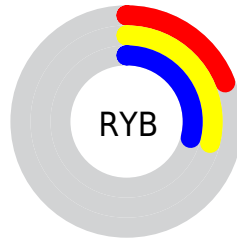
Distribution



Red (19%)

Green (29%)

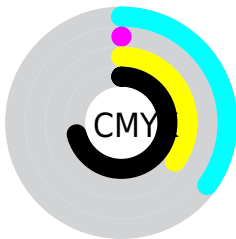
Blue (19%)



Red (19%)

Yellow (29%)

Blue (29%)

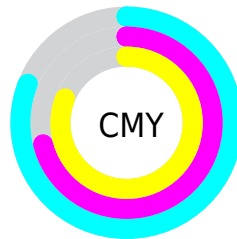


Cyan (35%)

Magenta (0%)

Yellow (35%)

Black (71%)



Cyan (81%)


Magenta (71%)

Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 20.305, 142.245 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, 20.305, 142.245 by changing the saturation by 10% instead.

 29, 20.305,
142.245

 29, 20.305,
142.245

 100, 20.305,
142.245

 19, 20.305,
142.245

 49, 20.305,
142.245


 9, 20.305, 142.245

 59, 20.305,
142.245

 0, 20.305, 142.245

 69, 20.305,
142.245

 79, 20.305,
142.245

 89, 20.305,
142.245

 99, 20.305,

142.245

■ 29, 20.305,
142.245

■ 29, 20.305,
142.245

■ 28, 25.965,
141.393

■ 30, 14.499,
142.999

■ 28, 31.356,
140.450

■ 30, 8.638, 143.659

■ 28, 36.336,
139.442

■ 31, 2.798, 144.255

■ 32, 2.967, 324.653

■ 27, 40.732,
138.422

■ 33, 8.620, 325.099

■ 27, 44.356,
137.475

■ 34, 14.134,
325.463

■ 27, 47.490,
136.574

■ 35, 19.494,
325.775

■ 27, 49.186,
136.107

■ 36, 24.692,
326.043

■ 38, 29.728,
326.275

Harmonies

Complementary

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



29, 20.305, 142.245



24, 20.299, 326.143

Rectangle

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



29, 20.305, 142.245



29, 20.305, 192.245



29, 20.305, 322.245



29, 20.305, 12.245

Sweetspot

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



29, 20.306, 142.245



40, 7.212, 143.928



31, 16.270, 107.159



19, 4.856, 143.888



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, 20.306, 142.245



37, 30.241, 141.505



29, 13.989, 160.725



15, 3.306, 144.027



37, 61.109, 136.024



80, 110.598, 136.019

Inverse Universe

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



24, 20.299, 326.143



30, 30.186, 326.543



24, 14.537, 346.584



14, 3.311, 324.856



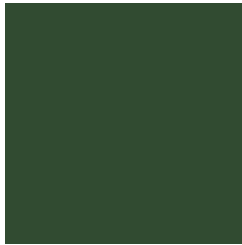
23, 58.951, 328.250



54, 106.677, 328.252

Previews

White Background



This preview shows how the CIELCh color 29, 20.305, 142.245 looks on a white background.

Color Contrast Check

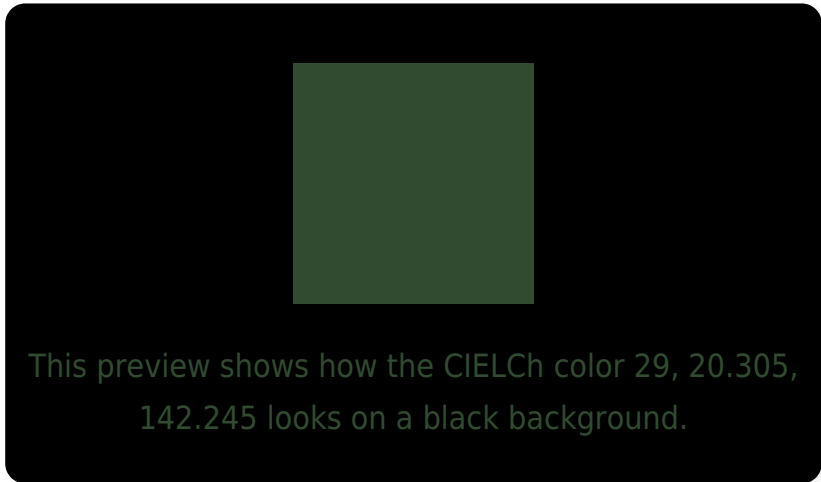
Large Text (above 18pt) WCAG AA ✓ Pass

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

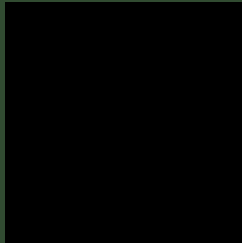
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 20.305, 142.245

Background



This preview shows how black text looks on a background with the CIELCh color 29, 20.305, 142.245.



This preview shows how white text looks on a background with the CIELCh color 29, 20.305, 142.245.

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](#).

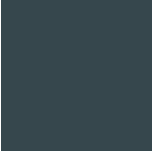
Dichromacy



Original Color
29, 20.305, 142.245

Protanopia
29, 14.336, 95.499

Deuteranopia
29, 11.718, 69.530



Tritanopia
29, 7.706, 228.789

Trichromacy



Original Color
29, 20.305, 142.245

Protanomaly
29, 14.796, 116.723

Deuteranomaly
28, 11.510, 105.517

Tritanomaly
29, 9.093, 177.170

Monochromacy



Original Color
29, 20.305, 142.245

Achromatopsia
27, 0.004, 296.813

Achromatomaly
28, 7.927, 143.669

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 20.305, 142.245 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(49, 75, 49)` looks like.

```
.text, #text, p{  
    color:rgb(49, 75, 49)  
}
```

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(49, 75, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 75, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 20.305, 142.245 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(49, 75, 49) }
```

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

```
.border{ border-color:rgb(49, 75, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 75, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 75, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 75, 49);  
box-shadow:4px 4px 4px 4px rgb(49, 75, 49)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 20.305, 142.245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 75, 49) }
```

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

```
.background{ background-color: rgb(49, 75,  
49) }
```

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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