

Converting Colors

CIELCh(29, 22.675, 169.208)

Have a look what the booklet for
CIELCh(29, 22.675, 169.208)
contains.

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Color

CIELCh(29, 22.749, 169.111)

Conversions

Conversions Part 1

Format	Color
Hex	164D3D
RGB	22, 77, 61
RGB Percent	9%, 30%, 24%
CMY	0.9131, 0.6975, 0.7603
CMYK	0.71, 0.00, 0.21, 0.70
HSL	163°, 55%, 19%
HSV	163°, 71%, 30%
XYZ	3.8440, 5.8380, 5.3577
YIQ	58.7310, -27.6440, -16.6360

Conversions

Conversions Part 2

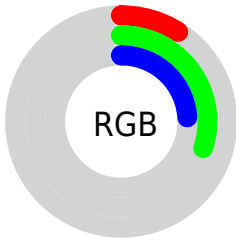
Format	Color
RYB	22, 54, 77
Decimal	1461565
CIELab	29.00, -22.34, 4.30
CIElCh	29, 22.749, 169.111
Yxy	5.8380, 0.2556, 0.3882
Android (android.graphics.Color)	4279651645 (0xFF164D3D)
YUV	58.7310, 1.1186, -32.2131
Hunter-Lab	24.1619, -13.8856, 3.7662

Details

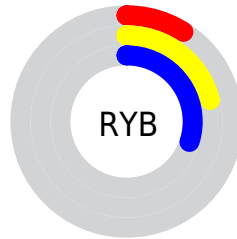
The CIELCh color **29, 22.749, 169.111** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **17, 27.585, 6.878**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 22.605, 169.079**, and **10, 17.337, 160.068** is the 20% darker color. If you saturate the color by 10%, you get **29, 24.932, 167.624**, and if you desaturate by 10%, it is **29, 20.235, 170.454**.

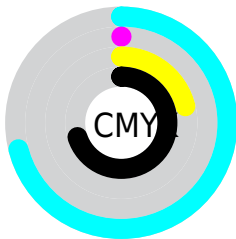
Distribution



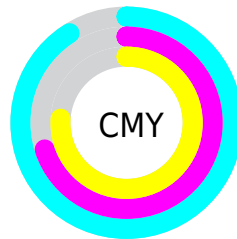
- Red (9%)
- Green (30%)
- Blue (24%)



- Red (9%)
- Yellow (21%)
- Blue (30%)



- Cyan (71%)
- Magenta (0%)
- Yellow (21%)
- Black (70%)





- Cyan (91%)
- Magenta (70%)
- Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 22.749, 169.111 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, 22.749, 169.111 by changing the saturation by 10% instead.

 29, 22.749,
169.111


 29, 22.749,
169.111

 100, 22.749,
169.111


 19, 22.749,
169.111


 49, 22.749,
169.111


 9, 22.749, 169.111

 59, 22.749,
169.111

 0, 22.749, 169.111

 69, 22.749,
169.111

 79, 22.749,
169.111

 89, 22.749,
169.111

 99, 22.749,

169.111

■ 29, 22.749,
169.111

■ 29, 22.749,
169.111

■ 29, 24.932,
167.624

■ 29, 20.235,
170.454

■ 29, 26.808,
166.019

■ 30, 17.421,
171.675

■ 28, 28.433,
164.749

■ 30, 14.350,
172.792

■ 31, 11.070,
173.821

■ 31, 7.630, 174.780

■ 32, 4.079, 175.695

■ 33, 0.459, 176.999

■ 34, 3.194, 357.183

■ 34, 6.849, 357.975

Harmonies

Complementary

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



29, 22.749, 169.111



17, 27.585, 6.878

Rectangle

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



29, 22.749, 169.111



29, 22.749, 219.111



29, 22.749, 349.111



29, 22.749, 39.111

Sweetspot

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



29, 22.749, 169.110



40, 9.293, 174.735



29, 37.316, 132.522



20, 6.331, 174.602



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



29, 22.749, 169.110



37, 31.451, 166.356



26, 15.616, 225.272



15, 2.010, 175.936



38, 34.940, 163.868



81, 64.839, 162.236

Inverse Universe

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



17, 27.585, 6.878



21, 39.148, 12.574



19, 26.114, 40.855



14, 2.058, 357.234



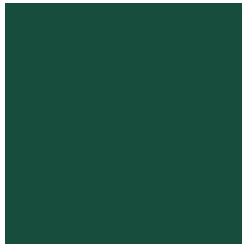
20, 44.167, 18.396



48, 81.735, 22.780

Previews

White Background



This preview shows how the CIELCh color 29, 22.749, 169.111 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 29, 22.749, 169.111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

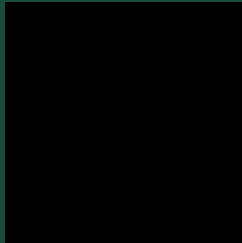
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 22.749, 169.111

Background



This preview shows how black text looks on a background with the CIELCh color 29, 22.749, 169.111.



This preview shows how white text looks on a background with the CIELCh color 29, 22.749, 169.111.

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, 22.749, 169.111

Protanopia
29, 7.293, 93.834

Deuteranopia
29, 5.229, 34.306



Tritanopia
29, 15.413, 211.964

Trichromacy



Original Color
29, 22.749, 169.111

Protanomaly
28, 10.865, 152.445

Deuteranomaly
28, 7.337, 160.274

Tritanomaly
29, 17.013, 192.516

Monochromacy



Original Color
29, 22.749, 169.111

Achromatopsia
25, 0.004, 296.813

Achromatomaly
26, 9.503, 173.373

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 22.749, 169.111 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(22, 77, 61)` looks like.

```
.text, #text, p{  
    color:rgb(22, 77, 61)  
}
```

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(22, 77, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 77, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 22.749, 169.111 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(22, 77, 61) }
```

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

```
.border{ border-color:rgb(22, 77, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 77, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 77, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 77, 61);  
box-shadow:4px 4px 4px 4px rgb(22, 77, 61)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 22.749, 169.111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 77, 61) }
```

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

```
.background{ background-color: rgb(22, 77,  
61) }
```

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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