

Converting Colors

CIELCh(30, 22.585, 170.221)

Have a look what the booklet for
CIELCh(30, 22.585, 170.221)
contains.

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Color

CIELCh(30, 22.987, 169.641)

Conversions

Conversions Part 1

Format	Color
Hex	185040
RGB	24, 80, 64
RGB Percent	9%, 31%, 25%
CMY	0.9076, 0.6878, 0.7504
CMYK	0.70, 0.00, 0.20, 0.69
HSL	163°, 54%, 20%
HSV	163°, 70%, 31%
XYZ	4.1217, 6.2359, 5.7826
YIQ	61.4320, -28.2400, -16.8480

Conversions

Conversions Part 2

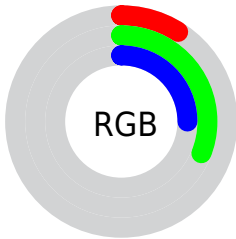
Format	Color
R_{YB}	24, 57, 80
Decimal	1593408
CIE Lab	30.00, -22.61, 4.13
CIE LCh	30, 22.987, 169.641
Yxy	6.2359, 0.2554, 0.3864
Android (android.graphics.Color)	4279783488 (0xFF185040)
YUV	61.4320, 1.2660, -32.8279
Hunter-Lab	24.9718, -14.2387, 3.7507

Details

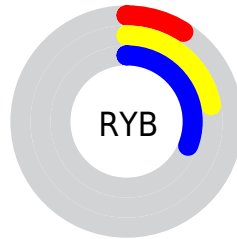
The CIELCh color **30, 22.987, 169.641** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **18, 27.996, 7.224**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 23.081, 169.862**, and **11, 17.609, 162.893** is the 20% darker color. If you saturate the color by 10%, you get **30, 25.220, 168.164**, and if you desaturate by 10%, it is **30, 20.413, 170.976**.

Distribution



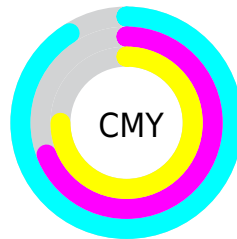
- Red (9%)
- Green (31%)
- Blue (25%)



- Red (9%)
- Yellow (22%)
- Blue (31%)



- Cyan (70%)
- Magenta (0%)
- Yellow (20%)
- Black (69%)





- Cyan (91%)
- Magenta (69%)
- Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 22.987, 169.641 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 30, 22.987, 169.641 by changing the saturation by 10% instead.


 30, 22.987,
169.641


 30, 22.987,
169.641

 100, 22.987,
169.641


 20, 22.987,
169.641


 50, 22.987,
169.641


 10, 22.987,
169.641

 60, 22.987,
169.641

 0, 22.987, 169.641

 70, 22.987,
169.641

 80, 22.987,
169.641

 90, 22.987,
169.641

■ 30, 22.987,
169.641

■ 30, 22.987,
169.641

■ 30, 25.220,
168.164

■ 30, 20.413,
170.976

■ 30, 27.117,
166.551

■ 31, 17.531,
172.189

■ 29, 28.888,
165.127

■ 31, 14.384,
173.300

■ 32, 11.023,
174.325

■ 32, 7.499, 175.283

■ 33, 3.862, 176.200

■ 34, 0.155, 178.579

■ 35, 3.585, 357.690

■ 36, 7.327, 358.478

Harmonies

Complementary

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



30, 22.987, 169.641



18, 27.996, 7.224

Rectangle

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



30, 22.987, 169.641



30, 22.987, 219.641



30, 22.987, 349.641



30, 22.987, 39.641

Sweetspot

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



30, 22.987, 169.640



42, 9.644, 175.156



30, 37.898, 132.539



21, 6.569, 175.013



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



30, 22.987, 169.640



39, 32.253, 166.918



27, 15.887, 225.182



16, 2.116, 176.354



39, 35.326, 164.293



82, 64.883, 162.726

Inverse Universe

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



18, 27.996, 7.224



22, 40.433, 12.898



20, 26.450, 40.816



15, 2.168, 357.680



20, 45.086, 19.122



49, 82.713, 23.367

Previews

White Background



This preview shows how the CIELCh color 30, 22.987, 169.641 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 30, 22.987, 169.641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

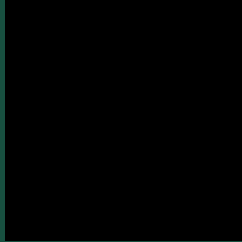
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 22.987, 169.641

Background



This preview shows how black text looks on a background with the CIELCh color 30, 22.987, 169.641.



This preview shows how white text looks on a background with the CIELCh color 30, 22.987, 169.641.

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

30, 22.987, 169.641

Protanopia

30, 7.258, 93.886

Deuteranopia

30, 5.199, 34.300



Tritanopia
30, 15.458, 211.878

Trichromacy



Original Color
30, 22.987, 169.641

Protanomaly
29, 10.814, 152.488

Deuteranomaly
29, 7.303, 160.309

Tritanomaly
30, 17.060, 192.584

Monochromacy



Original Color
30, 22.987, 169.641

Achromatopsia
26, 0.004, 296.813

Achromatomaly
27, 9.823, 174.308

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 22.987, 169.641 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(24, 80, 64)` looks like.

```
.text, #text, p{  
    color:rgb(24, 80, 64)  
}
```

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(24, 80, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 80, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 22.987, 169.641 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(24, 80, 64) }
```

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

```
.border{ border-color:rgb(24, 80, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 80, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 80, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 80, 64);  
box-shadow:4px 4px 4px 4px rgb(24, 80, 64)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 22.987, 169.641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 80, 64) }
```

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

```
.background{ background-color: rgb(24, 80,  
64) }
```

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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