

Converting Colors

CIELCh(33, 22.239, 177.995)

Have a look what the booklet for
CIELCh(33, 22.239, 177.995)
contains.

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Color

CIELCh(33, 22.154, 178.062)

Conversions

Conversions Part 1

Format	Color
Hex	1B574C
RGB	27, 87, 76
RGB Percent	11%, 34%, 30%
CMY	0.8949, 0.6595, 0.7026
CMYK	0.69, 0.00, 0.13, 0.66
HSL	169°, 53%, 22%
HSV	169°, 69%, 34%
XYZ	5.1388, 7.5373, 7.9904
YIQ	67.8060, -32.2290, -16.1410

Conversions

Conversions Part 2

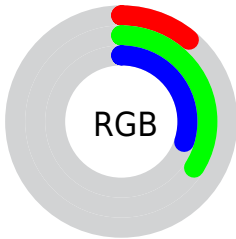
Format	Color
RYB	27, 60, 87
Decimal	1791820
CIELab	33.00, -22.14, 0.75
CIElCh	33, 22.154, 178.062
Yxy	7.5373, 0.2487, 0.3647
Android (android.graphics.Color)	4279981900 (0xFF1B574C)
YUV	67.8060, 4.0396, -35.7869
Hunter-Lab	27.4541, -14.6331, 1.9618

Details

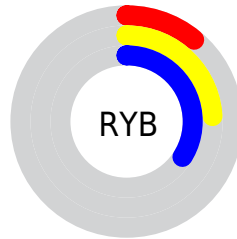
The CIELCh color **33, 22.154, 178.062** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **20, 29.704, 15.063**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 22.025, 178.746**, and **14, 16.943, 173.350** is the 20% darker color. If you saturate the color by 10%, you get **33, 24.140, 176.825**, and if you desaturate by 10%, it is **33, 19.778, 179.193**.

Distribution



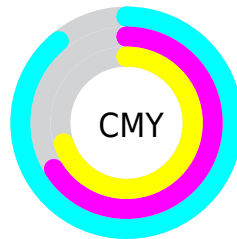
- Red (11%)
- Green (34%)
- Blue (30%)



- Red (11%)
- Yellow (24%)
- Blue (34%)



- Cyan (69%)
- Magenta (0%)
- Yellow (13%)
- Black (66%)




- Cyan (89%)
- Magenta (66%)
- Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 22.154, 178.062 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 33, 22.154, 178.062 by changing the saturation by 10% instead.

 33, 22.154,
178.062


 33, 22.154,
178.062

 100, 22.154,
178.062


 23, 22.154,
178.062

 53, 22.154,
178.062


 13, 22.154,
178.062


 63, 22.154,
178.062

 3, 22.154, 178.062

 73, 22.154,
178.062

 0, 22.154, 178.062

 83, 22.154,
178.062

 93, 22.154,
178.062

■ 33, 22.154,
178.062

■ 33, 22.154,
178.062

■ 33, 24.140,
176.825

■ 33, 19.778,
179.193

■ 33, 25.726,
175.468

■ 34, 17.041,
180.239

■ 32, 27.166,
174.142

■ 34, 13.988,
181.215

■ 32, 27.291,
174.035

■ 35, 10.672,
182.137

■ 35, 7.146, 183.020

■ 36, 3.462, 183.893

■ 37, 0.330, 3.756

■ 38, 4.190, 5.316

■ 39, 8.082, 6.096

Harmonies

Complementary

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



33, 22.154, 178.062



20, 29.704, 15.063

Rectangle

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



33, 22.154, 178.062



33, 22.154, 228.062



33, 22.154, 358.062



33, 22.154, 48.062

Sweetspot

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



33, 22.154, 178.061



45, 9.642, 182.799



32, 41.354, 135.400



22, 6.437, 182.663



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



33, 22.154, 178.061



42, 30.184, 175.950



27, 17.325, 244.171



17, 2.117, 183.926



40, 31.781, 173.539



83, 57.336, 172.295

Inverse Universe

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



20, 29.704, 15.063



24, 43.182, 20.680



24, 26.357, 50.293



16, 2.189, 5.202



21, 48.362, 27.679



49, 88.958, 31.566

Previews

White Background



This preview shows how the CIELCh color 33, 22.154, 178.062 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 33, 22.154, 178.062 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

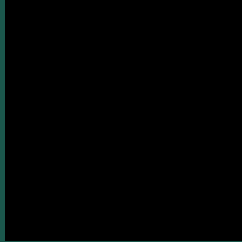
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 22.154, 178.062

Background



This preview shows how black text looks on a background with the CIELCh color 33, 22.154, 178.062.



This preview shows how white text looks on a background with the CIELCh color 33, 22.154, 178.062.

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

33, 22.154, 178.062

Protanopia

33, 3.995, 89.828

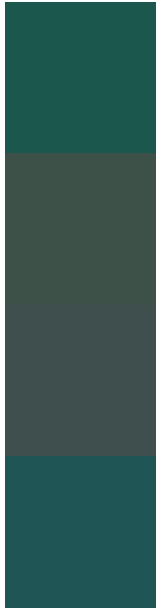
Deuteranopia

33, 4.381, 354.559



Tritanopia
33, 17.224, 210.037

Trichromacy



Original Color
33, 22.154, 178.062

Protanomaly
33, 9.909, 167.315

Deuteranomaly
32, 6.804, 187.671

Tritanomaly
33, 18.672, 194.935

Monochromacy



Original Color
33, 22.154, 178.062

Achromatopsia
29, 0.005, 296.813

Achromatomaly
30, 9.515, 182.283

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 22.154, 178.062 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(27, 87, 76)` looks like.

```
.text, #text, p{  
    color:rgb(27, 87, 76)  
}
```

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(27, 87, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 87, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 22.154, 178.062 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(27, 87, 76) }
```

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

```
.border{ border-color:rgb(27, 87, 76) }
```

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

Here you see how a box with a 4 pixel rgb(27, 87, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 87, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 87, 76);  
box-shadow:4px 4px 4px 4px rgb(27, 87, 76)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 22.154, 178.062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 87, 76) }
```

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

```
.background{ background-color: rgb(27, 87,  
76) }
```

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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