

Converting Colors

CIELCh(27, 21.565, 154.881)

Have a look what the booklet for
CIELCh(27, 21.565, 154.881)
contains.

CIELCh(27, 21.565, 154.881)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(27, 21.565, 154.881)

Conversions

Conversions Part 1

Format	Color
Hex	214731
RGB	33, 71, 49
RGB Percent	13%, 28%, 19%
CMY	0.8695, 0.7205, 0.8068
CMYK	0.53, 0.00, 0.31, 0.72
HSL	145°, 36%, 21%
HSV	145°, 53%, 28%
XYZ	3.4668, 5.0937, 3.7349
YIQ	57.1300, -15.5860, -14.8980

Conversions

Conversions Part 2

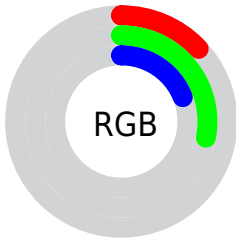
Format	Color
R_{YB}	33, 60, 71
Decimal	2180913
CIE _{Lab}	27.00, -19.53, 9.15
CIE _{LCh}	27, 21.565, 154.881
Yxy	5.0937, 0.2820, 0.4143
Android (android.graphics.Color)	4280370993 (0xFF214731)
YUV	57.1300, -4.0081, -21.1620
Hunter-Lab	22.5692, -12.0768, 5.9867

Details

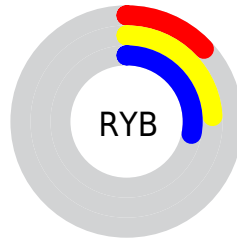
The CIELCh color **27, 21.565, 154.881** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **19, 22.240, 344.047**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 21.874, 154.736**, and **8, 19.271, 145.793** is the 20% darker color. If you saturate the color by 10%, you get **27, 25.197, 153.620**, and if you desaturate by 10%, it is **27, 17.724, 156.001**.

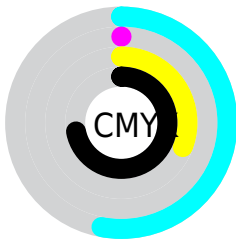
Distribution



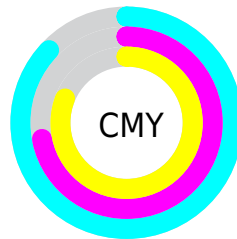
- Red (13%)
- Green (28%)
- Blue (19%)



- Red (13%)
- Yellow (24%)
- Blue (28%)



- Cyan (53%)
- Magenta (0%)
- Yellow (31%)
- Black (72%)





- Cyan (87%)
- Magenta (72%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 21.565, 154.881 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 27, 21.565, 154.881 by changing the saturation by 10% instead.

 27, 21.565,
154.881


 27, 21.565,
154.881

 100, 21.565,
154.881


 17, 21.565,
154.881


 47, 21.565,
154.881


 7, 21.565, 154.881

 57, 21.565,
154.881

 0, 21.565, 154.881

 67, 21.565,
154.881

 77, 21.565,
154.881

 87, 21.565,
154.881

 97, 21.565,

154.881

■ 27, 21.565,
154.881

■ 27, 21.565,
154.881

■ 27, 25.197,
153.620

■ 27, 17.724,
156.001

■ 26, 28.563,
152.205

■ 28, 13.731,
156.999

■ 26, 31.618,
150.625

■ 29, 9.641, 157.892

■ 29, 5.504, 158.701

■ 26, 34.426,
149.020

■ 30, 1.364, 159.517

■ 26, 36.290,
148.119

■ 31, 2.746, 339.968

■ 32, 6.799, 340.600

■ 33, 10.775,
341.154

■ 34, 14.661,
341.661

Harmonies

Complementary

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



27, 21.565, 154.881



19, 22.240, 344.047

Rectangle

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



27, 21.565, 154.881



27, 21.565, 204.881



27, 21.565, 334.881



27, 21.565, 24.881

Sweetspot

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



27, 21.565, 154.881



38, 8.163, 158.441



28, 24.891, 123.780



18, 5.431, 158.377



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



27, 21.565, 154.881



34, 31.227, 153.195



28, 14.612, 188.976



14, 2.303, 159.066



36, 46.750, 146.934



79, 88.698, 145.176

Inverse Universe

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



19, 22.240, 344.047



23, 32.056, 345.615



18, 19.480, 18.513



13, 2.322, 340.144



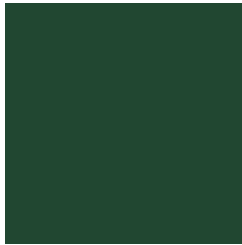
20, 43.875, 352.602



49, 79.169, 355.189

Previews

White Background



This preview shows how the CIELCh color 27, 21.565, 154.881 looks on a white background.

Color Contrast Check

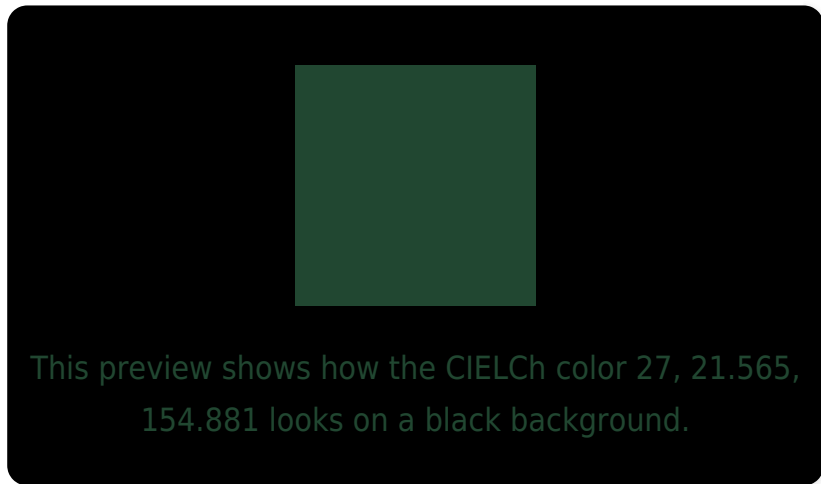
Large Text (above 18pt) WCAG AA ✓ Pass

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

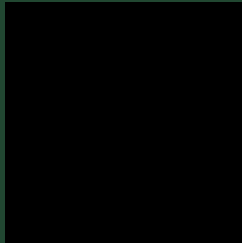
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 21.565, 154.881

Background



This preview shows how black text looks on a background with the CIELCh color 27, 21.565, 154.881.



This preview shows how white text looks on a background with the CIELCh color 27, 21.565, 154.881.

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
27, 21.565, 154.881

Protanopia
27, 11.775, 98.193

Deuteranopia
27, 9.140, 64.946



Tritanopia
27, 11.146, 218.583

Trichromacy



Original Color
27, 21.565, 154.881

Protanomaly
27, 14.085, 131.299

Deuteranomaly
27, 10.117, 124.490

Tritanomaly
27, 12.686, 185.438

Monochromacy



Original Color
27, 21.565, 154.881

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 8.262, 158.375

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 21.565, 154.881 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(33, 71, 49)` looks like.

```
.text, #text, p{  
    color:rgb(33, 71, 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(33, 71, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 71, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 21.565, 154.881 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(33, 71, 49) }
```

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

```
.border{ border-color:rgb(33, 71, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 71, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 71, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 71, 49);  
box-shadow:4px 4px 4px 4px rgb(33, 71, 49)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 21.565, 154.881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 71, 49) }
```

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

```
.background{ background-color: rgb(33, 71,  
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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