

Converting Colors

CIELCh(27, 35.816, 136.172)

Have a look what the booklet for
CIELCh(27, 35.816, 136.172)
contains.

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Color

CIELCh(27, 35.904, 136.058)

Conversions

Conversions Part 1

Format	Color
Hex	1F4917
RGB	31, 73, 23
RGB Percent	12%, 29%, 9%
CMY	0.8791, 0.7144, 0.9104
CMYK	0.58, 0.00, 0.69, 0.71
HSL	110°, 52%, 19%
HSV	110°, 69%, 29%
XYZ	3.0850, 5.0937, 1.6232
YIQ	54.7420, -8.9820, -24.4540

Conversions

Conversions Part 2

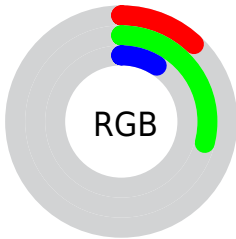
Format	Color
R_{YB}	23, 73, 65
Decimal	2050327
CIE _{Lab}	27.00, -25.85, 24.91
CIE _{LCh}	27, 35.904, 136.058
Yxy	5.0937, 0.3147, 0.5197
Android (android.graphics.Color)	4280240407 (0xFF1F4917)
YUV	54.7420, -15.6488, -20.8217
Hunter-Lab	22.5692, -15.0971, 11.5342

Details

The CIELCh color **27, 35.904, 136.058** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **17, 36.323, 322.495**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 35.891, 135.821**, and **9, 22.100, 144.361** is the 20% darker color. If you saturate the color by 10%, you get **27, 40.034, 135.487**, and if you desaturate by 10%, it is **27, 31.247, 136.713**.

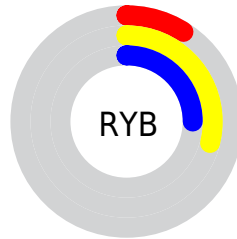
Distribution



Red (12%)

Green (29%)

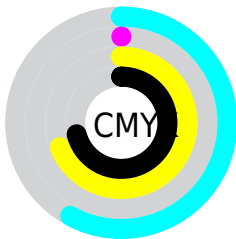
Blue (9%)



Red (9%)

Yellow (29%)

Blue (25%)

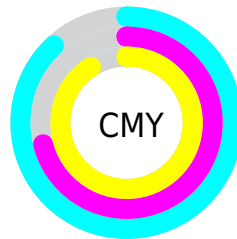


Cyan (58%)

Magenta (0%)

Yellow (69%)

Black (71%)



Cyan (88%)


Magenta (71%)


Yellow (91%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 35.904, 136.058 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, 35.904, 136.058 by changing the saturation by 10% instead.

 27, 35.904,
136.058


 27, 35.904,
136.058

 100, 35.904,
136.058


 17, 35.904,
136.058


 47, 35.904,
136.058


 7, 35.904, 136.058

 57, 35.904,
136.058

 0, 35.904, 136.058

 67, 35.904,
136.058

 77, 35.904,
136.058

 87, 35.904,
136.058

 97, 35.904,

136.058

■ 27, 35.904,
136.058

■ 27, 35.904,
136.058

■ 27, 40.034,
135.487

■ 27, 31.247,
136.713

■ 26, 43.477,
135.062

■ 28, 26.224,
137.383

■ 26, 46.723,
134.348

■ 28, 20.964,
138.028

■ 26, 47.157,
134.231

■ 29, 15.569,
138.627

■ 30, 10.116,
139.169

■ 30, 4.665, 139.661

■ 31, 0.741, 319.915

■ 32, 6.069, 320.409

■ 33, 11.297,
320.736

Harmonies

Complementary

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



27, 35.904, 136.058



17, 36.323, 322.495

Rectangle

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



27, 35.904, 136.058



27, 35.904, 186.058



27, 35.904, 316.058



27, 35.904, 6.058

Sweetspot

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



27, 35.904, 136.059



38, 14.142, 139.004



27, 26.214, 95.239



19, 9.655, 138.933



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



27, 35.904, 136.059



35, 50.549, 135.201



27, 29.587, 149.205



14, 2.962, 139.664



36, 58.881, 134.561



79, 108.447, 135.186

Inverse Universe

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



17, 36.323, 322.495



20, 50.792, 322.661



17, 29.650, 341.041



13, 2.975, 320.330



19, 58.645, 322.477



48, 107.275, 322.069

Previews

White Background



This preview shows how the CIELCh color 27, 35.904, 136.058 looks on a white background.

Color Contrast Check

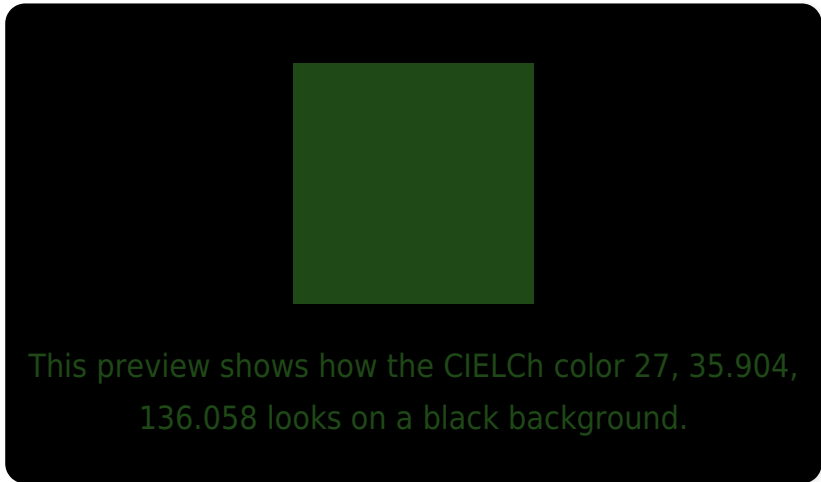
Large Text (above 18pt) WCAG AA ✓ Pass

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

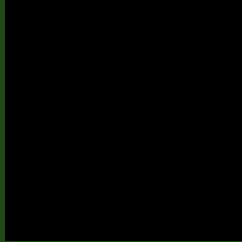
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 35.904, 136.058

Background



This preview shows how black text looks on a background with the CIELCh color 27, 35.904, 136.058.



This preview shows how white text looks on a background with the CIELCh color 27, 35.904, 136.058.

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](#).

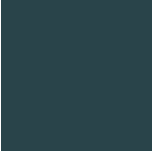
Dichromacy



Original Color
27, 35.904, 136.058

Protanopia
27, 27.323, 96.809

Deuteranopia
27, 23.835, 82.013



Tritanopia
27, 10.850, 219.213

Trichromacy



Original Color
27, 35.904, 136.058

Protanomaly
26, 28.617, 115.923

Deuteranomaly
26, 24.950, 109.858

Tritanomaly
27, 17.075, 161.897

Monochromacy



Original Color
27, 35.904, 136.058

Achromatopsia
23, 0.004, 296.813

Achromatomaly
24, 13.807, 138.434

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 35.904, 136.058 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(31, 73, 23)` looks like.

```
.text, #text, p{  
    color:rgb(31, 73, 23)  
}
```

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(31, 73, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 73, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 35.904, 136.058 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(31, 73, 23) }
```

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

```
.border{ border-color:rgb(31, 73, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 73, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 73, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 73, 23);  
box-shadow:4px 4px 4px 4px rgb(31, 73, 23)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 35.904, 136.058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 73, 23) }
```

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

```
.background{ background-color: rgb(31, 73,  
23) }
```

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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