

Converting Colors

CIELCh(27, 18.450, 104.847)

Have a look what the booklet for
CIELCh(27, 18.450, 104.847)
contains.

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Color

CIELCh(27, 18.450, 104.847)

Conversions

Conversions Part 1

Format	Color
Hex	424124
RGB	66, 65, 36
RGB Percent	26%, 25%, 14%
CMY	0.7405, 0.7444, 0.8582
CMYK	0.00, 0.02, 0.45, 0.74
HSL	58°, 29%, 20%
HSV	58°, 45%, 26%
XYZ	4.4803, 5.0937, 2.4293
YIQ	61.9930, 9.9050, -8.8070

Conversions

Conversions Part 2

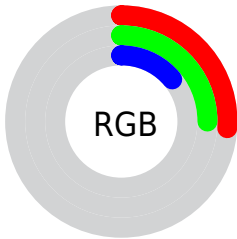
Format	Color
RYB	37, 66, 36
Decimal	4342052
CIELab	27.00, -4.73, 17.83
CIELCh	27, 18.450, 104.847
Yxy	5.0937, 0.3733, 0.4244
Android (android.graphics.Color)	4282532132 (0xFF424124)
YUV	61.9930, -12.8145, 3.5141
Hunter-Lab	22.5692, -4.0614, 9.4165

Details

The CIELCh color **27, 18.450, 104.847** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **16, 20.322, 294.283**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 18.717, 104.849**, and **7, 11.399, 112.679** is the 20% darker color. If you saturate the color by 10%, you get **27, 22.272, 104.011**, and if you desaturate by 10%, it is **27, 14.486, 105.717**.

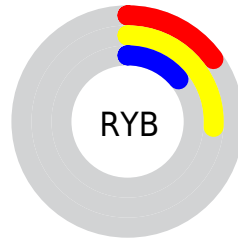
Distribution



Red (26%)

Green (25%)

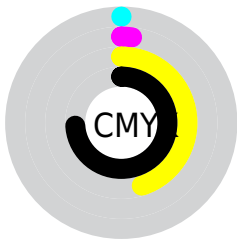
Blue (14%)



Red (15%)

Yellow (26%)

Blue (14%)

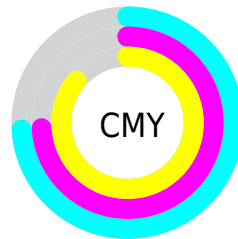


Cyan (0%)

Magenta (2%)

Yellow (45%)

Black (74%)



Cyan (74%)


Magenta (74%)

Yellow (86%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 18.450, 104.847 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, 18.450, 104.847 by changing the saturation by 10% instead.

 27, 18.450,
104.847

 27, 18.450,
104.847

 100, 18.450,
104.847


 17, 18.450,
104.847

 47, 18.450,
104.847

 7, 18.450, 104.847

 57, 18.450,
104.847

 0, 18.450, 104.847

 67, 18.450,
104.847

 77, 18.450,
104.847

 87, 18.450,
104.847

 97, 18.450,

104.847

■ 27, 18.450,
104.847

■ 27, 18.450,
104.847

■ 27, 22.272,
104.011

■ 27, 14.486,
105.717

■ 27, 25.867,
103.219

■ 27, 10.435,
106.596

■ 27, 29.121,
102.493

■ 28, 6.334, 107.476

■ 26, 31.883,
101.859

■ 28, 2.208, 108.339

■ 26, 34.456,
101.295

■ 28, 1.925, 289.230

■ 26, 35.656,
101.062

■ 29, 10.173,
290.860

■ 29, 14.275,
291.638

■ 30, 18.354,
292.384

Harmonies

Complementary

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



27, 18.450, 104.847



16, 20.322, 294.283

Rectangle

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



27, 18.450, 104.847



27, 18.450, 154.847



27, 18.450, 284.847



27, 18.450, 334.847

Sweetspot

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



27, 18.451, 104.850



36, 7.230, 107.541



18, 15.366, 19.576



17, 4.912, 107.457



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



27, 18.451, 104.850



35, 27.160, 103.932



26, 20.227, 125.377



13, 2.299, 108.070



39, 46.611, 100.838



85, 85.819, 100.677

Inverse Universe

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



16, 20.322, 294.283



19, 30.905, 296.183



17, 21.576, 309.464



11, 2.338, 289.601



8, 63.875, 305.437



28, 120.105, 305.972

Previews

White Background



This preview shows how the CIELCh color 27, 18.450, 104.847 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 27, 18.450, 104.847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

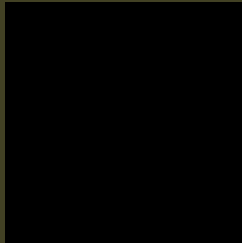
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

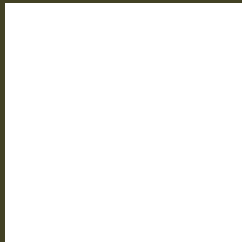
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 27, 18.450, 104.847

Background



This preview shows how black text looks on a background with the CIELCh color 27, 18.450, 104.847.

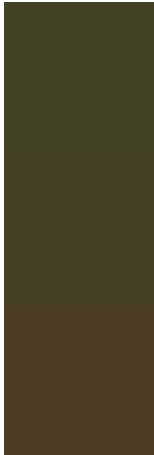


This preview shows how white text looks on a background with the CIELCh color 27, 18.450, 104.847.

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, 18.450, 104.847

Protanopia

27, 18.153, 96.787

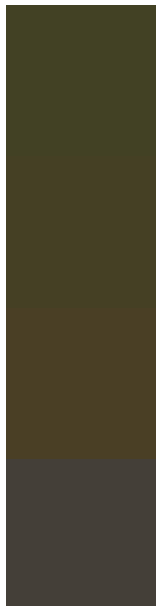
Deuteranopia

27, 17.982, 77.715



Tritanopia
27, 4.527, 334.285

Trichromacy



Original Color
27, 18.450, 104.847

Protanomaly
27, 18.066, 98.390

Deuteranomaly
27, 17.676, 88.122

Tritanomaly
27, 5.114, 81.855

Monochromacy



Original Color
27, 18.450, 104.847

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 6.508, 104.673

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 18.450, 104.847 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(66, 65, 36)` looks like.

```
.text, #text, p{  
    color:rgb(66, 65, 36)  
}
```

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(66, 65, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 65, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 18.450, 104.847 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(66, 65, 36) }
```

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

```
.border{ border-color:rgb(66, 65, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 65, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 65, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 65, 36);  
box-shadow:4px 4px 4px 4px rgb(66, 65, 36)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 18.450, 104.847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 65, 36) }
```

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

```
.background{ background-color: rgb(66, 65,  
36) }
```

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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