

Converting Colors

CIELCh(27, 21.751, 131.819)

Have a look what the booklet for
CIELCh(27, 21.751, 131.819)
contains.

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Color

CIELCh(27, 21.684, 131.047)

Conversions

Conversions Part 1

Format	Color
Hex	324526
RGB	50, 69, 38
RGB Percent	20%, 27%, 15%
CMY	0.8034, 0.7289, 0.8505
CMYK	0.27, 0.00, 0.45, 0.73
HSL	97°, 29%, 21%
HSV	97°, 45%, 27%
XYZ	3.8091, 5.0937, 2.6261
YIQ	59.7850, -1.3730, -13.6690

Conversions

Conversions Part 2

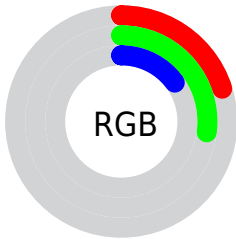
Format	Color
RYB	38, 69, 57
Decimal	3294502
CIELab	27.00, -14.24, 16.35
CIElCh	27, 21.684, 131.047
Yxy	5.0937, 0.3304, 0.4418
Android (android.graphics.Color)	4281484582 (0xFF324526)
YUV	59.7850, -10.7400, -8.5814
Hunter-Lab	22.5692, -9.3700, 8.8997

Details

The CIELCh color $27, 21.684, 131.047$ is a dark color, and the websafe version is hex 333300 . A complement of this color would be $19, 22.599, 314.669$, and the grayscale version is $25, 0.004, 296.813$.

A 20% lighter version of the original color is $47, 21.673, 130.840$, and $7, 17.468, 142.954$ is the 20% darker color. If you saturate the color by 10%, you get $27, 26.297, 130.620$, and if you desaturate by 10%, it is $27, 16.926, 131.495$.

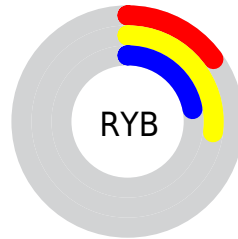
Distribution



Red (20%)

Green (27%)

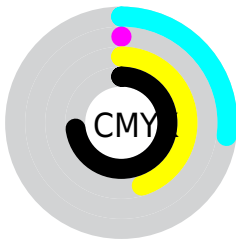
Blue (15%)



Red (15%)

Yellow (27%)

Blue (22%)

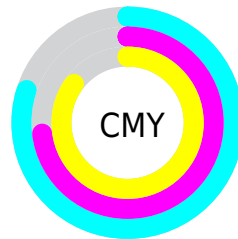


Cyan (27%)

Magenta (0%)

Yellow (45%)

Black (73%)



Cyan (80%)


Magenta (73%)


Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 21.684, 131.047 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, 21.684, 131.047 by changing the saturation by 10% instead.

 27, 21.684,
131.047


 27, 21.684,
131.047

 100, 21.684,
131.047


 17, 21.684,
131.047


 47, 21.684,
131.047


 7, 21.684, 131.047

 57, 21.684,
131.047

 0, 21.684, 131.047

 67, 21.684,
131.047

 77, 21.684,
131.047

 87, 21.684,
131.047

 97, 21.684,

131.047

■ 27, 21.684,
131.047

■ 27, 21.684,
131.047

■ 27, 26.297,
130.620

■ 27, 16.926,
131.495

■ 26, 30.673,
130.250

■ 28, 12.086,
131.935

■ 26, 34.691,
129.998

■ 28, 7.216, 132.356

■ 26, 38.198,
129.943

■ 29, 2.350, 132.765

■ 25, 41.411,
129.891

■ 30, 2.485, 313.060

■ 25, 43.060,
129.807

■ 31, 11.989,
313.693

■ 32, 16.634,
313.953

■ 32, 21.197,
314.183

Harmonies

Complementary

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



27, 21.684, 131.047



19, 22.599, 314.669

Rectangle

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



27, 21.684, 131.047



27, 21.684, 181.047



27, 21.684, 311.047



27, 21.684, 1.047

Sweetspot

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



27, 21.685, 131.048



37, 7.803, 132.411



25, 13.855, 80.149



18, 5.508, 132.361



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, 21.685, 131.048



35, 31.958, 130.569



26, 22.801, 144.151



14, 2.774, 132.609



37, 56.021, 130.386



80, 103.592, 131.486

Inverse Universe

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



19, 22.599, 314.669



22, 33.660, 315.090



20, 22.774, 329.588



13, 2.800, 313.211



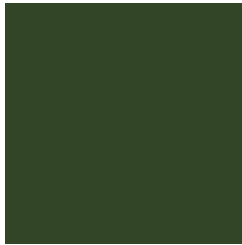
15, 60.791, 315.394



40, 111.668, 314.621

Previews

White Background



This preview shows how the CIELCh color 27, 21.684, 131.047 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, 21.684, 131.047 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, 21.684, 131.047

Background



This preview shows how black text looks on a background with the CIELCh color 27, 21.684, 131.047.



This preview shows how white text looks on a background with the CIELCh color 27, 21.684, 131.047.

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

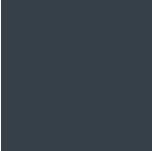
27, 21.684, 131.047

Protanopia

27, 18.153, 96.787

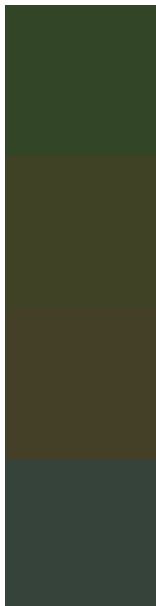
Deuteranopia

27, 16.010, 76.634



Tritanopia
27, 5.620, 243.216

Trichromacy



Original Color
27, 21.684, 131.047

Protanomaly
27, 18.473, 111.127

Deuteranomaly
27, 16.092, 101.501

Tritanomaly
27, 8.158, 158.489

Monochromacy



Original Color
27, 21.684, 131.047

Achromatopsia
25, 0.004, 296.813

Achromatomaly
26, 7.901, 133.034

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 21.684, 131.047 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(50, 69, 38)` looks like.

```
.text, #text, p{  
    color:rgb(50, 69, 38)  
}
```

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(50, 69, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 69, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 21.684, 131.047 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(50, 69, 38) }
```

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

```
.border{ border-color:rgb(50, 69, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 69, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 69, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 69, 38);  
box-shadow:4px 4px 4px 4px rgb(50, 69, 38)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 21.684, 131.047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 69, 38) }
```

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

```
.background{ background-color: rgb(50, 69,  
38) }
```

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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