

Converting Colors

CIELCh(27, 22.647, 124.714)

Have a look what the booklet for
CIELCh(27, 22.647, 124.714)
contains.

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Color

CIELCh(27, 22.625, 124.875)

Conversions

Conversions Part 1

Format	Color
Hex	364523
RGB	54, 69, 35
RGB Percent	21%, 27%, 14%
CMY	0.7899, 0.7311, 0.8643
CMYK	0.22, 0.00, 0.50, 0.73
HSL	86°, 33%, 20%
HSV	86°, 50%, 27%
XYZ	3.8967, 5.0937, 2.3364
YIQ	60.6390, 1.9740, -13.7540

Conversions

Conversions Part 2

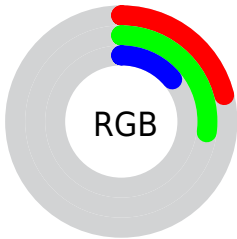
Format	Color
R_{YB}	35, 69, 50
Decimal	3556643
CIE _{Lab}	27.00, -12.94, 18.56
CIE _{LCh}	27, 22.625, 124.875
Y _{xy}	5.0937, 0.3440, 0.4497
Android (android.graphics.Color)	4281746723 (0xFF364523)
YUV	60.6390, -12.6400, -5.8224
Hunter-Lab	22.5692, -8.6767, 9.6607

Details

The CIELCh color $27, 22.625, 124.875$ is a dark color, and the websafe version is hex 333300 . A complement of this color would be $17, 24.347, 309.436$, and the grayscale version is $25, 0.004, 296.813$.

A 20% lighter version of the original color is $47, 22.510, 124.182$, and $7, 16.741, 138.996$ is the 20% darker color. If you saturate the color by 10%, you get $27, 26.879, 124.517$, and if you desaturate by 10%, it is $27, 18.192, 125.293$.

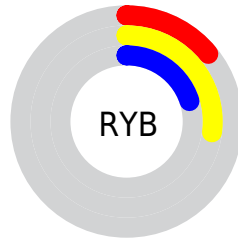
Distribution



Red (21%)

Green (27%)

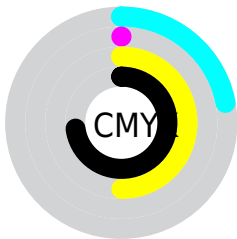
Blue (14%)



Red (14%)

Yellow (27%)

Blue (20%)

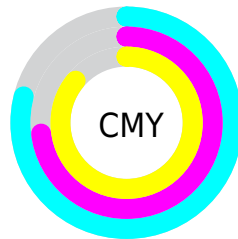


Cyan (22%)

Magenta (0%)

Yellow (50%)

Black (73%)



Cyan (79%)


Magenta (73%)


Yellow (86%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 22.625, 124.875 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, 22.625, 124.875 by changing the saturation by 10% instead.

 27, 22.625,
124.875


 27, 22.625,
124.875

 100, 22.625,
124.875


 17, 22.625,
124.875


 47, 22.625,
124.875


 7, 22.625, 124.875

 57, 22.625,
124.875

 0, 22.625, 124.875

 67, 22.625,
124.875

 77, 22.625,
124.875

 87, 22.625,
124.875

 97, 22.625,

124.875

■ 27, 22.625,
124.875

■ 27, 22.625,
124.875

■ 27, 26.879,
124.517

■ 27, 18.192,
125.293

■ 26, 30.854,
124.263

■ 28, 13.647,
125.734

■ 26, 34.421,
124.183

■ 28, 9.042, 126.178

■ 29, 4.413, 126.614

■ 26, 37.508,
124.300

■ 29, 0.215, 306.801

■ 26, 40.576,
124.340

■ 30, 4.821, 307.391

■ 26, 40.716,
124.341

■ 30, 9.393, 307.755

■ 31, 13.918,
308.088

■ 31, 18.390,
308.393

Harmonies

Complementary

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



27, 22.625, 124.875



17, 24.347, 309.436

Rectangle

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



27, 22.625, 124.875



27, 22.625, 174.875



27, 22.625, 304.875



27, 22.625, 354.875

Sweetspot

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



27, 22.626, 124.876



37, 8.639, 126.351



22, 14.333, 63.079



18, 5.944, 126.308



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, 22.626, 124.876



35, 33.062, 124.460



26, 26.118, 139.570



13, 2.500, 126.661



37, 52.215, 124.946



81, 97.339, 126.181

Inverse Universe

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



17, 24.347, 309.436



20, 36.325, 310.080



19, 26.191, 324.774



11, 2.532, 307.339



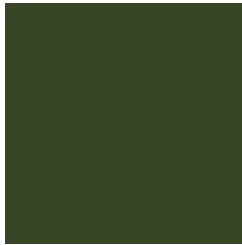
12, 61.756, 311.344



34, 114.887, 310.509

Previews

White Background



This preview shows how the CIE LCh color 27, 22.625, 124.875 looks on a white background.

Color Contrast Check

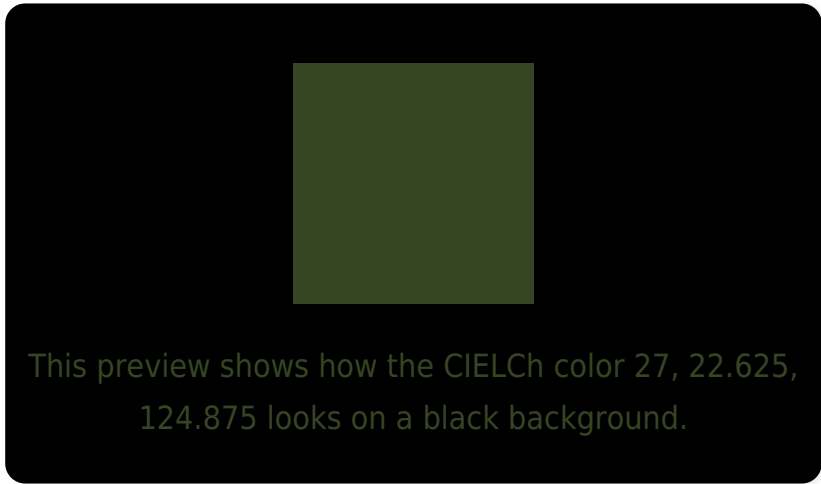
Large Text (above 18pt) WCAG AA ✓ Pass

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

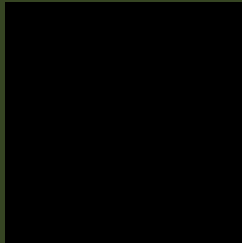
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

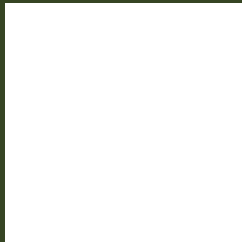
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 27, 22.625, 124.875

Background



This preview shows how black text looks on a background with the CIELCh color 27, 22.625, 124.875.

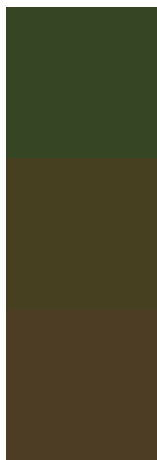


This preview shows how white text looks on a background with the CIELCh color 27, 22.625, 124.875.

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

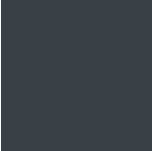
27, 22.625, 124.875

Protanopia

27, 19.958, 97.217

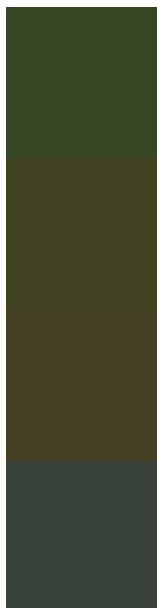
Deuteranopia

27, 17.982, 77.715



Tritanopia
27, 4.343, 247.806

Trichromacy



Original Color
27, 22.625, 124.875

Protanomaly
27, 20.241, 108.964

Deuteranomaly
27, 18.066, 98.390

Tritanomaly
27, 7.435, 146.448

Monochromacy



Original Color
27, 22.625, 124.875

Achromatopsia
25, 0.004, 296.813

Achromatomaly
26, 8.168, 125.300

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 22.625, 124.875 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(54, 69, 35)` looks like.

```
.text, #text, p{  
    color:rgb(54, 69, 35)  
}
```

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(54, 69, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 69, 35) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 22.625, 124.875 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(54, 69, 35) }
```

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

```
.border{ border-color:rgb(54, 69, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 69, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 69, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 69, 35);  
box-shadow:4px 4px 4px 4px rgb(54, 69, 35)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 22.625, 124.875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 69, 35) }
```

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

```
.background{ background-color: rgb(54, 69,  
35) }
```

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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