

Converting Colors

CIELCh(27, 23.108, 126.000)

Have a look what the booklet for
CIELCh(27, 23.108, 126.000)
contains.

CIELCh(27, 23.353, 125.413)	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, 23.353, 125.413)

Conversions

Conversions Part 1

Format	Color
Hex	354522
RGB	53, 69, 34
RGB Percent	21%, 27%, 13%
CMY	0.7930, 0.7303, 0.8675
CMYK	0.23, 0.00, 0.51, 0.73
HSL	87°, 34%, 20%
HSV	87°, 51%, 27%
XYZ	3.8565, 5.0937, 2.2775
YIQ	60.2260, 1.6990, -14.2770

Conversions

Conversions Part 2

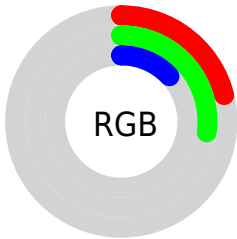
Format	Color
RYB	34, 69, 50
Decimal	3491106
CIELab	27.00, -13.53, 19.03
CIELCh	27, 23.353, 125.413
Yxy	5.0937, 0.3435, 0.4537
Android (android.graphics.Color)	4281681186 (0xFF354522)
YUV	60.2260, -12.9294, -6.3372
Hunter-Lab	22.5692, -8.9949, 9.8155

Details

The CIELCh color $[27, 23.353, 125.413]$ is a dark color, and the websafe version is hex $\#333300$. A complement of this color would be $[17, 25.123, 310.007]$, and the grayscale version is $[25, 0.004, 296.813]$.

A 20% lighter version of the original color is $[47, 23.191, 124.733]$, and $[7, 17.022, 140.620]$ is the 20% darker color. If you saturate the color by 10%, you get $[27, 27.608, 125.067]$, and if you desaturate by 10%, it is $[27, 18.907, 125.824]$.

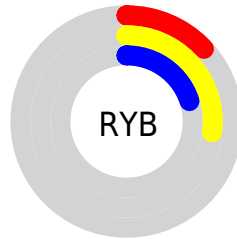
Distribution



Red (21%)

Green (27%)

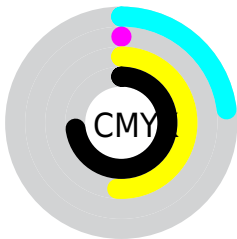
Blue (13%)



Red (13%)

Yellow (27%)

Blue (20%)

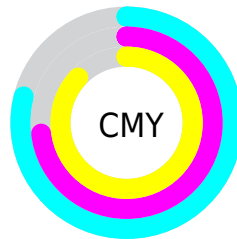


Cyan (23%)

Magenta (0%)

Yellow (51%)

Black (73%)



Cyan (79%)


Magenta (73%)

Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 23.353, 125.413 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, 23.353, 125.413 by changing the saturation by 10% instead.

 27, 23.353,
125.413

 27, 23.353,
125.413

 100, 23.353,
125.413

 17, 23.353,
125.413

 47, 23.353,
125.413


 7, 23.353, 125.413

 57, 23.353,
125.413

 0, 23.353, 125.413

 67, 23.353,
125.413

 77, 23.353,
125.413

 87, 23.353,
125.413

 97, 23.353,

125.413

■ 27, 23.353,
125.413

■ 27, 23.353,
125.413

■ 27, 27.608,
125.067

■ 27, 18.907,
125.824

■ 26, 31.567,
124.832

■ 28, 14.343,
126.259

■ 26, 35.096,
124.781

■ 28, 9.713, 126.699

■ 26, 38.180,
124.898

■ 29, 5.056, 127.131

■ 26, 41.005,
124.923

■ 29, 0.399, 127.650

■ 30, 4.237, 307.899

■ 30, 8.838, 308.260

■ 31, 13.392,
308.589

■ 31, 17.890,
308.890

Harmonies

Complementary

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



27, 23.353, 125.413



17, 25.123, 310.007

Rectangle

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



27, 23.353, 125.413



27, 23.353, 175.413



27, 23.353, 305.413



27, 23.353, 355.413

Sweetspot

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



27, 23.354, 125.414



37, 8.669, 126.928



22, 14.841, 64.681



18, 5.965, 126.885



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, 23.354, 125.414



35, 34.213, 124.993



26, 26.979, 139.829



13, 2.508, 127.234



37, 52.474, 125.529



81, 97.858, 126.769

Inverse Universe

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



17, 25.123, 310.007



20, 37.593, 310.652



19, 27.004, 325.325



11, 2.540, 307.898



12, 61.559, 311.671



35, 114.500, 310.830

Previews

White Background



This preview shows how the CIELCh color 27, 23.353, 125.413 looks on a white background.

Color Contrast Check

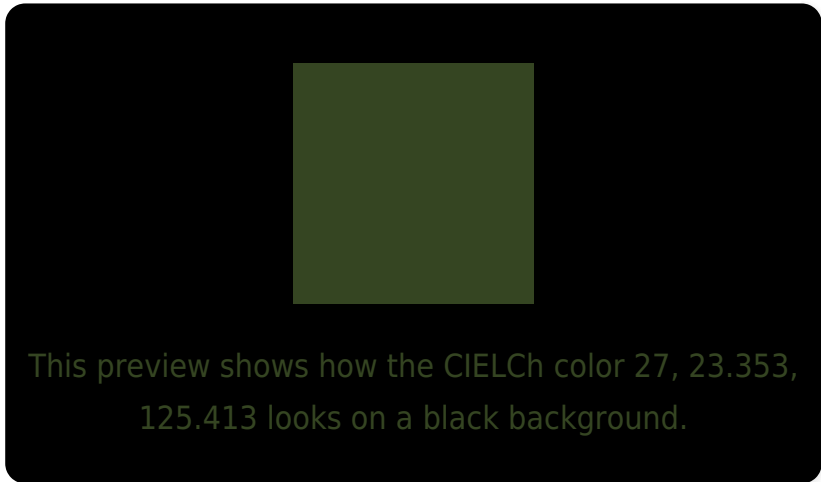
Large Text (above 18pt) WCAG AA ✓ Pass

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

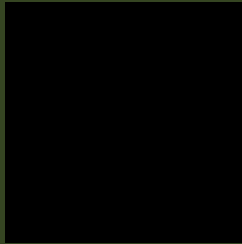
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

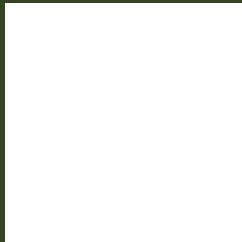
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 27, 23.353, 125.413

Background



This preview shows how black text looks on a background with the CIELCh color 27, 23.353, 125.413.



This preview shows how white text looks on a background with the CIELCh color 27, 23.353, 125.413.

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](#).

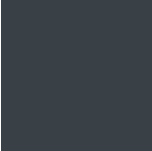
Dichromacy



Original Color
27, 23.353, 125.413

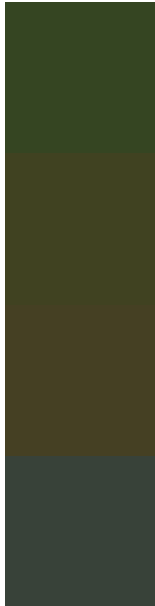
Protanopia
27, 20.552, 97.329

Deuteranopia
27, 18.547, 78.457



Tritanopia
27, 4.343, 247.806

Trichromacy



Original Color
27, 23.353, 125.413

Protanomaly
27, 20.835, 108.769

Deuteranomaly
27, 18.673, 98.504

Tritanomaly
27, 7.435, 146.448

Monochromacy



Original Color
27, 23.353, 125.413

Achromatopsia
25, 0.004, 296.813

Achromatomaly
26, 8.935, 126.877

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 23.353, 125.413 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(53, 69, 34)` looks like.

```
.text, #text, p{  
    color:rgb(53, 69, 34)  
}
```

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(53, 69, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 69, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 23.353, 125.413 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(53, 69, 34) }
```

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

```
.border{ border-color:rgb(53, 69, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 69, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 69, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 69, 34);  
box-shadow:4px 4px 4px 4px rgb(53, 69, 34)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 23.353, 125.413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 69, 34) }
```

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

```
.background{ background-color: rgb(53, 69,  
34) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor