

Converting Colors

CIELCh(23, 17.154, 135.295)

Have a look what the booklet for
CIELCh(23, 17.154, 135.295)
contains.

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Color

CIELCh(23, 17.198, 135.269)

Conversions

Conversions Part 1

Format	Color
Hex	2A3B24
RGB	42, 59, 36
RGB Percent	16%, 23%, 14%
CMY	0.8337, 0.7670, 0.8573
CMYK	0.29, 0.00, 0.39, 0.77
HSL	104°, 24%, 19%
HSV	104°, 39%, 23%
XYZ	2.8804, 3.8003, 2.2815
YIQ	51.2950, -2.7490, -10.7570

Conversions

Conversions Part 2

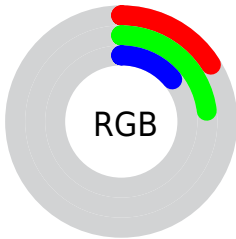
Format	Color
R_{YB}	36, 59, 53
Decimal	2767652
CIE _{Lab}	23.00, -12.22, 12.10
CIE _{LCh}	23, 17.198, 135.269
Yxy	3.8003, 0.3214, 0.4240
Android (android.graphics.Color)	4280957732 (0xFF2A3B24)
YUV	51.2950, -7.5404, -8.1517
Hunter-Lab	19.4944, -7.7413, 6.7072

Details

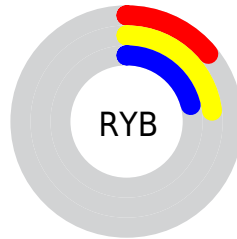
The CIELCh color **23, 17.198, 135.269** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **17, 17.562, 318.388**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 16.854, 135.331**, and **4, 9.813, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **23, 21.527, 134.756**, and if you desaturate by 10%, it is **23, 12.782, 135.761**.

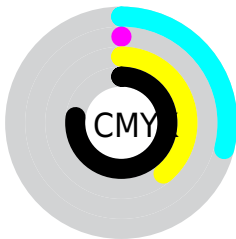
Distribution



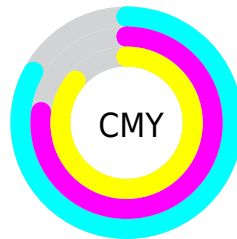
- Red (16%)
- Green (23%)
- Blue (14%)



- Red (14%)
- Yellow (23%)
- Blue (21%)



- Cyan (29%)
- Magenta (0%)
- Yellow (39%)
- Black (77%)





- Cyan (83%)
- Magenta (77%)
- Yellow (86%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 17.198, 135.269 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 23, 17.198, 135.269 by changing the saturation by 10% instead.

 23, 17.198,
135.269


 23, 17.198,
135.269

 100, 17.198,
135.269


 13, 17.198,
135.269


 43, 17.198,
135.269


 3, 17.198, 135.269

 53, 17.198,
135.269

 0, 17.198, 135.269

 63, 17.198,
135.269

 73, 17.198,
135.269

 83, 17.198,
135.269

 93, 17.198,

135.269

■ 23, 17.198,
135.269

■ 23, 17.198,
135.269

■ 23, 21.527,
134.756

■ 23, 12.782,
135.761

■ 22, 25.699,
134.241

■ 24, 8.327, 136.219

■ 22, 29.625,
133.764

■ 25, 3.873, 136.644

■ 25, 0.550, 316.847

■ 22, 33.183,
133.393

■ 26, 4.922, 317.309

■ 21, 36.173,
133.362

■ 26, 9.226, 317.610

■ 27, 13.453,
317.870

■ 21, 39.029,
133.212

■ 21, 39.378,
133.182

■ 28, 17.595,
318.097

■ 29, 21.648,
318.295

Harmonies

Complementary

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



23, 17.198, 135.269



17, 17.562, 318.388

Rectangle

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



23, 17.198, 135.269



23, 17.198, 185.269



23, 17.198, 315.269



23, 17.198, 5.269

Sweetspot

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



23, 17.199, 135.270



32, 6.564, 136.487



22, 11.654, 91.946



15, 4.274, 136.481



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



23, 17.199, 135.270



30, 25.618, 134.738



23, 15.823, 149.056



11, 2.516, 136.656



35, 55.650, 133.003



78, 104.899, 133.947

Inverse Universe

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



17, 17.562, 318.388



21, 26.287, 318.750



18, 15.917, 333.970



10, 2.531, 317.238



16, 57.300, 319.172



43, 107.103, 318.518

Previews

White Background



This preview shows how the CIELCh color 23, 17.198, 135.269 looks on a white background.

Color Contrast Check

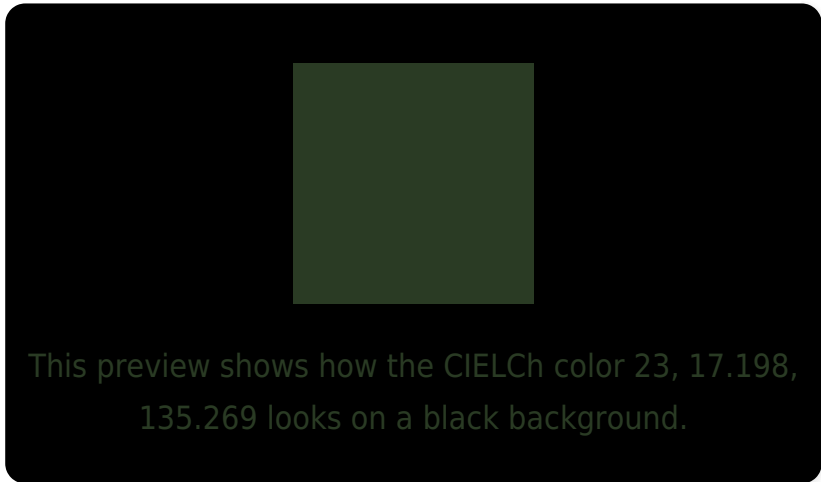
Large Text (above 18pt) WCAG AA ✓ Pass

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

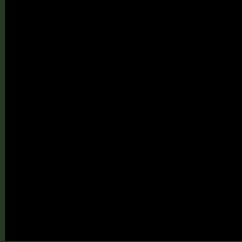
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 17.198, 135.269

Background



This preview shows how black text looks on a background with the CIELCh color 23, 17.198, 135.269.



This preview shows how white text looks on a background with the CIELCh color 23, 17.198, 135.269.

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

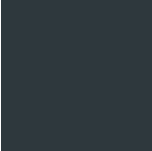
23, 17.198, 135.269

Protanopia

23, 13.427, 96.167

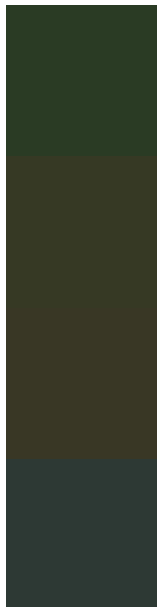
Deuteranopia

23, 11.569, 72.767



Tritanopia
23, 5.319, 237.912

Trichromacy



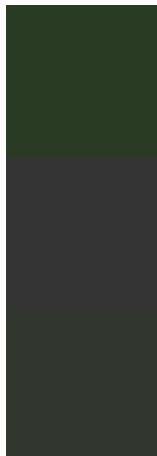
Original Color
23, 17.198, 135.269

Protanomaly
23, 13.833, 113.396

Deuteranomaly
23, 11.918, 102.615

Tritanomaly
23, 6.398, 166.772

Monochromacy



Original Color
23, 17.198, 135.269

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 6.662, 134.076

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 17.198, 135.269 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(42, 59, 36)` looks like.

```
.text, #text, p{  
    color:rgb(42, 59, 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(42, 59, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 59, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 17.198, 135.269 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(42, 59, 36) }
```

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

```
.border{ border-color:rgb(42, 59, 36) }
```

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

Here you see how a box with a 4 pixel rgb(42, 59, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 59, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 59, 36);  
box-shadow:4px 4px 4px 4px rgb(42, 59, 36)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 17.198, 135.269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 59, 36) }
```

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

```
.background{ background-color: rgb(42, 59,  
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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