

Converting Colors

CIELCh(12, 8.234, 148.578)

Have a look what the booklet for
CIELCh(12, 8.234, 148.578) contains.

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Color

CIELCh(12, 8.567, 148.149)

Conversions

Conversions Part 1

Format	Color
Hex	172219
RGB	23, 34, 25
RGB Percent	9%, 13%, 10%
CMY	0.9093, 0.8661, 0.9014
CMYK	0.32, 0.00, 0.26, 0.87
HSL	131°, 19%, 11%
HSV	131°, 32%, 13%
XYZ	1.1092, 1.4064, 1.1401
YIQ	29.6850, -3.6670, -5.1310

Conversions

Conversions Part 2

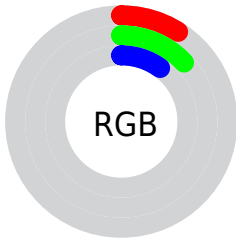
Format	Color
R_{YB}	23, 32, 34
Decimal	1516057
CIE Lab	12.00, -7.28, 4.52
CIE LCh	12, 8.567, 148.149
Yxy	1.4064, 0.3034, 0.3847
Android (android.graphics.Color)	4279706137 (0xFF172219)
YUV	29.6850, -2.3097, -5.8627
Hunter-Lab	11.8591, -4.0578, 2.6012

Details

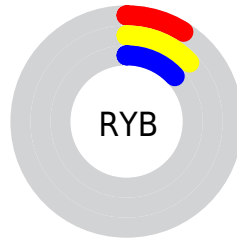
The CIELCh color **12, 8.567, 148.149** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **10, 8.598, 331.412**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 8.276, 148.494**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 11.208, 147.456**, and if you desaturate by 10%, it is **12, 5.903, 148.769**.

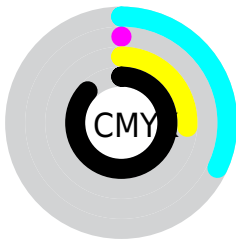
Distribution



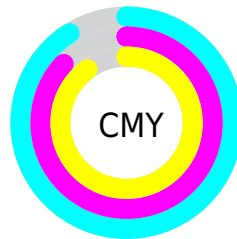
- Red (9%)
- Green (13%)
- Blue (10%)



- Red (9%)
- Yellow (13%)
- Blue (13%)



- Cyan (32%)
- Magenta (0%)
- Yellow (26%)
- Black (87%)



- Cyan (91%)
- Magenta (87%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 8.567, 148.149 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 12, 8.567, 148.149 by changing the saturation by 10% instead.

■ 12, 8.567, 148.149

■ 12, 8.567, 148.149

■ 100, 8.567,
148.149

■ 2, 8.567, 148.149

■ 32, 8.567, 148.149

■ 0, 8.567, 148.149

■ 42, 8.567, 148.149

■ 52, 8.567, 148.149

■ 62, 8.567, 148.149

■ 72, 8.567, 148.149

■ 82, 8.567, 148.149

■ 92, 8.567, 148.149

■ 12, 8.567, 148.149

■ 12, 8.567, 148.149

■ 12, 11.208,
147.456

■ 12, 5.903, 148.769

■ 11, 13.758,
146.942

■ 13, 3.237, 149.331

■ 13, 0.587, 149.950

■ 11, 16.121,
146.817

■ 14, 2.031, 330.187

■ 11, 18.207,
146.722

■ 14, 4.607, 330.606

■ 15, 7.133, 330.968

■ 11, 20.058,
146.803

■ 15, 9.603, 331.291

■ 10, 21.762,
147.104

■ 16, 12.014,
331.583

■ 10, 23.065,
147.318

■ 16, 14.364,
331.848

Harmonies

Complementary

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



12, 8.567, 148.149



10, 8.598, 331.412

Rectangle

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



12, 8.567, 148.149



12, 8.567, 198.149



12, 8.567, 328.149



12, 8.567, 18.149

Sweetspot

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



12, 8.567, 148.149



17, 3.240, 149.417



13, 7.889, 114.938



7, 2.080, 149.657



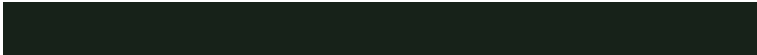
62, 0.008, 296.813



8, 0.002, 296.812

Same Dimension

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



12, 8.567, 148.149



16, 12.692, 147.505



12, 5.943, 171.350



5, 1.108, 149.736



29, 47.937, 139.705



73, 98.162, 138.061

Inverse Universe

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



10, 8.598, 331.412



12, 12.735, 331.878



9, 6.329, 356.216



5, 1.101, 330.058



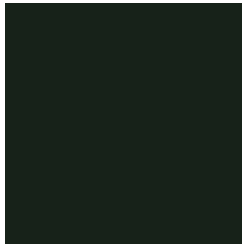
16, 44.355, 336.201



48, 86.285, 337.149

Previews

White Background



This preview shows how the CIELCh color 12, 8.567, 148.149 looks on a white background.

Color Contrast Check

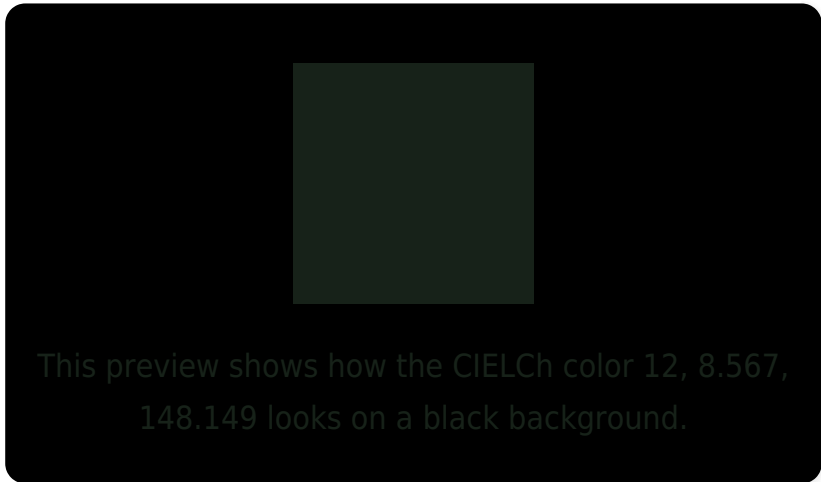
Large Text (above 18pt) WCAG AA ✓ Pass

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

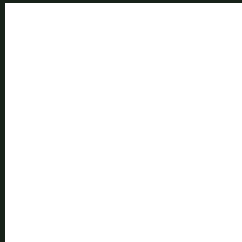
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 12, 8.567, 148.149

Background



This preview shows how black text looks on a background with the CIELCh color 12, 8.567, 148.149.



This preview shows how white text looks on a background with the CIELCh color 12, 8.567, 148.149.

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

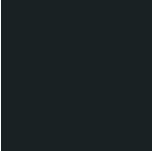
12, 8.567, 148.149

Protanopia

12, 5.305, 90.923

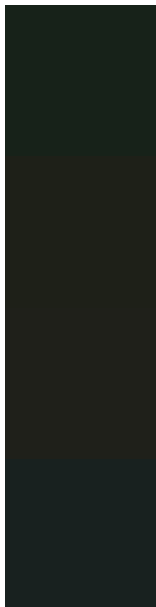
Deuteranopia

12, 4.326, 61.716



Tritanopia
12, 3.929, 220.343

Trichromacy



Original Color

12, 8.567, 148.149

Protanomaly

12, 5.859, 118.751

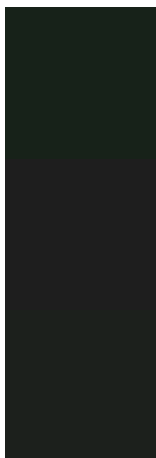
Deuteranomaly

12, 4.356, 115.705

Tritanomaly

12, 4.577, 179.708

Monochromacy



Original Color

12, 8.567, 148.149

Achromatopsia

11, 0.003, 296.813

Achromatomaly

12, 3.551, 143.919

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 12, 8.567, 148.149 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(23, 34, 25)` looks like.

```
.text, #text, p{  
  color:rgb(23, 34, 25)  
}
```

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(23, 34, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 34, 25) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 8.567, 148.149 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(23, 34, 25) }
```

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

```
.border{ border-color:rgb(23, 34, 25) }
```

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

Here you see how a box with a 4 pixel rgb(23, 34, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 34, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 34, 25);  
box-shadow:4px 4px 4px 4px rgb(23, 34, 25)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 8.567, 148.149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 34, 25) }
```

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

```
.background{ background-color: rgb(23, 34,  
25) }
```

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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