

Converting Colors

CIELCh(17, 23.821, 117.939)

Have a look what the booklet for
CIELCh(17, 23.821, 117.939)
contains.

CIELCh(17, 23.981, 117.731)	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(17, 23.981, 117.731)

Conversions

Conversions Part 1

Format	Color
Hex	242E07
RGB	36, 46, 7
RGB Percent	14%, 18%, 3%
CMY	0.8605, 0.8214, 0.9712
CMYK	0.22, 0.00, 0.84, 0.82
HSL	76°, 72%, 10%
HSV	76°, 84%, 18%
XYZ	1.7126, 2.3023, 0.5652
YIQ	38.5640, 6.5590, -14.2490

Conversions

Conversions Part 2

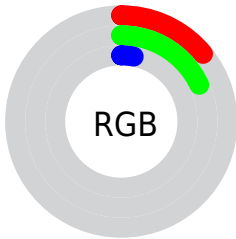
Format	Color
R_{YB}	7, 46, 17
Decimal	2371079
CIE _{Lab}	17.00, -11.16, 21.23
CIE _{LCh}	17, 23.981, 117.731
Yxy	2.3023, 0.3739, 0.5027
Android (android.graphics.Color)	4280561159 (0xFF242E07)
YUV	38.5640, -15.5611, -2.2486
Hunter-Lab	15.1734, -6.4062, 8.4130

Details

The CIELCh color **17, 23.981, 117.731** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **4, 26.669, 302.422**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 24.454, 117.398**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 25.933, 118.088**, and if you desaturate by 10%, it is **17, 22.001, 117.377**.

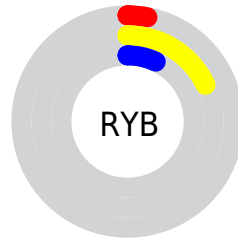
Distribution



Red (14%)

Green (18%)

Blue (3%)



Red (3%)

Yellow (18%)

Blue (7%)

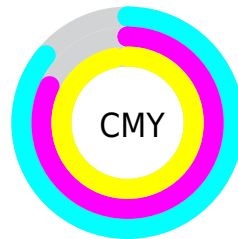


Cyan (22%)

Magenta (0%)

Yellow (84%)

Black (82%)



Cyan (86%)

Magenta (82%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 23.981, 117.731 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 17, 23.981, 117.731 by changing the saturation by 10% instead.

■ 17, 23.981,
117.731

■ 17, 23.981,
117.731

■ 100, 23.981,
117.731

■ 7, 23.981, 117.731

■ 37, 23.981,
117.731

■ 0, 23.981, 117.731

■ 47, 23.981,
117.731


■ 57, 23.981,
117.731


■ 67, 23.981,
117.731


■ 77, 23.981,
117.731


■ 87, 23.981,


117.731


 97, 23.981,
117.731


 17, 23.981,
117.731


 17, 23.981,
117.731


 17, 25.933,
118.088


 17, 22.001,
117.377

 17, 27.136,
118.295

 17, 19.624,
117.296

 17, 16.790,
117.649

 18, 13.788,
118.119

 18, 10.704,
118.618

■ 18, 7.569, 119.129

■ 18, 4.404, 119.638

■ 19, 1.225, 120.144

■ 19, 1.955, 300.611

Harmonies

Complementary

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



17, 23.981, 117.731



4, 26.669, 302.422

Rectangle

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



17, 23.981, 117.731



17, 23.981, 167.731



17, 23.981, 297.731



17, 23.981, 347.731

Sweetspot

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



17, 23.981, 117.732



24, 9.806, 118.999



9, 17.374, 37.402



11, 6.757, 119.022



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



17, 23.981, 117.732



22, 34.190, 116.920



16, 27.558, 135.201



8, 1.647, 120.655



34, 45.801, 116.936



79, 88.651, 118.063

Inverse Universe

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



4, 26.669, 302.422



4, 40.707, 305.673



7, 28.895, 319.560



7, 1.647, 299.989



8, 59.008, 308.529



29, 114.701, 307.775

Previews

White Background



This preview shows how the CIELCh color 17, 23.981, 117.731 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 17, 23.981, 117.731

Background



This preview shows how black text looks on a background with the CIELCh color 17, 23.981, 117.731.

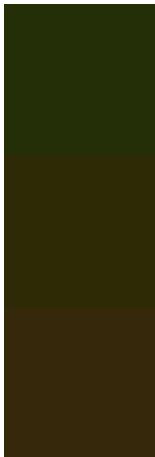


This preview shows how white text looks on a background with the CIELCh color 17, 23.981, 117.731.

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

17, 24.374, 117.494

Protanopia

17, 22.047, 97.419

Deuteranopia

17, 20.248, 83.786



Tritanopia
17, 3.075, 264.476

Trichromacy



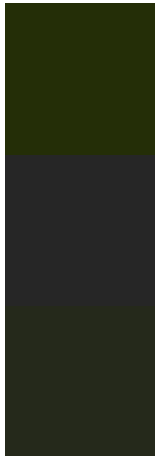
Original Color
17, 24.374, 117.494

Protanomaly
17, 22.394, 104.792

Deuteranomaly
17, 20.442, 97.114

Tritanomaly
17, 8.014, 126.496

Monochromacy



Original Color
17, 24.374, 117.494

Achromatopsia
15, 0.003, 296.813

Achromatomaly
16, 9.914, 119.655

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 23.981, 117.731 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(36, 46, 7)` looks like.

```
.text, #text, p{  
    color:rgb(36, 46, 7)  
}
```

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(36, 46, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 46, 7) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 23.981, 117.731 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(36, 46, 7) }
```

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

```
.border{ border-color:rgb(36, 46, 7) }
```

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

Here you see how a box with a 4 pixel rgb(36, 46, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 46, 7); -webkit-box-shadow:4px  
4px 4px 4px rgb(36, 46, 7); box-shadow:4px  
4px 4px 4px rgb(36, 46, 7) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 23.981, 117.731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 46, 7) }
```

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

```
.background{ background-color: rgb(36, 46,  
7) }
```

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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