

Converting Colors

CIELCh(18, 23.525, 104.751)

Have a look what the booklet for
CIELCh(18, 23.525, 104.751)
contains.

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Color

CIELCh(18, 23.737, 104.492)

Conversions

Conversions Part 1

Format	Color
Hex	2E2E07
RGB	46, 46, 7
RGB Percent	18%, 18%, 3%
CMY	0.8208, 0.8208, 0.9743
CMYK	0.00, 0.00, 0.86, 0.82
HSL	60°, 75%, 10%
HSV	60°, 86%, 18%
XYZ	2.1139, 2.5180, 0.5630
YIQ	41.5540, 12.5190, -12.1290

Conversions

Conversions Part 2

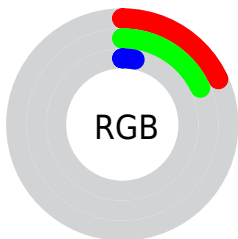
Format	Color
R_{YB}	7, 46, 7
Decimal	3026439
CIE Lab	18.00, -5.94, 22.98
CIE LCh	18, 23.737, 104.492
Yxy	2.5180, 0.4069, 0.4847
Android (android.graphics.Color)	4281216519 (0xFF2E2E07)
YUV	41.5540, -17.0351, 3.8991
Hunter-Lab	15.8683, -3.9903, 9.0043

Details

The CIELCh color **18, 23.737, 104.492** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **3, 26.630, 295.477**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 23.961, 105.174**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 25.578, 104.267**, and if you desaturate by 10%, it is **18, 21.884, 104.772**.

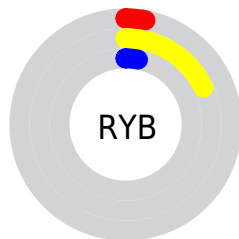
Distribution



Red (18%)

Green (18%)

Blue (3%)



Red (3%)

Yellow (18%)

Blue (3%)

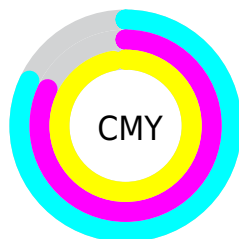


Cyan (0%)

Magenta (0%)

Yellow (86%)

Black (82%)



Cyan (82%)


Magenta (82%)


Yellow (97%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 23.737, 104.492 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 18, 23.737, 104.492 by changing the saturation by 10% instead.

 18, 23.737,
104.492


 18, 23.737,
104.492


 100, 23.737,
104.492


 8, 23.737, 104.492


 38, 23.737,
104.492

 0, 23.737, 104.492

 48, 23.737,
104.492

 58, 23.737,
104.492


 68, 23.737,
104.492

 78, 23.737,
104.492


 88, 23.737,


104.492


 98, 23.737,
104.492


 18, 23.737,
104.492


 18, 23.737,
104.492


 18, 25.578,
104.267


 18, 21.884,
104.772

 18, 26.381,
104.180

 18, 19.671,
105.187

 18, 16.964,
105.844

 18, 14.054,
106.591

 18, 11.050,
107.364

■ 18, 7.986, 108.152

■ 19, 4.885, 108.942

■ 19, 1.763, 109.721

■ 19, 1.369, 290.527

Harmonies

Complementary

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



18, 23.737, 104.492



3, 26.630, 295.477

Rectangle

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



18, 23.737, 104.492



18, 23.737, 154.492



18, 23.737, 284.492



18, 23.737, 334.492

Sweetspot

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



18, 23.737, 104.494



24, 9.986, 108.011



7, 21.045, 20.412



11, 6.830, 108.031



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



18, 23.737, 104.494



24, 33.183, 103.172



16, 25.885, 127.152



8, 1.615, 110.163



36, 44.158, 102.845



83, 84.955, 102.845

Inverse Universe

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



3, 26.630, 295.477



3, 39.902, 299.768



5, 28.115, 310.112



7, 1.619, 290.182



6, 60.344, 305.911



26, 117.313, 306.286

Previews

White Background



This preview shows how the CIELCh color 18, 23.737, 104.492 looks on a white background.

Color Contrast Check

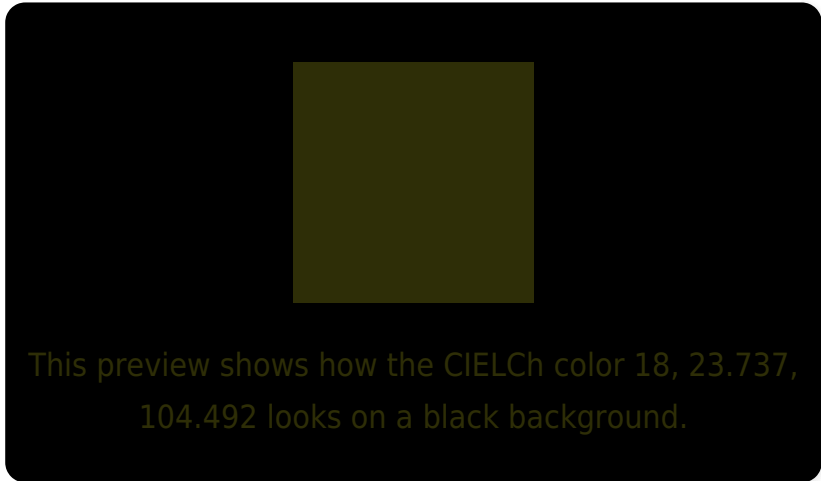
Large Text (above 18pt) WCAG AA ✓ Pass

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

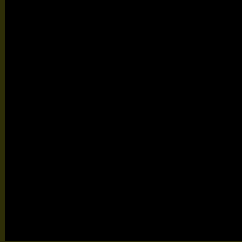
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 23.737, 104.492

Background



This preview shows how black text looks on a background with the CIELCh color 18, 23.737, 104.492.

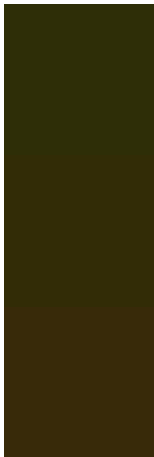


This preview shows how white text looks on a background with the CIELCh color 18, 23.737, 104.492.

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

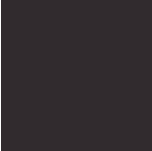
18, 23.737, 104.492

Protanopia

18, 23.322, 96.187

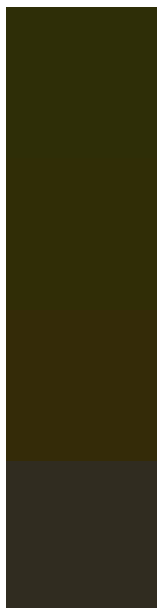
Deuteranopia

18, 22.391, 84.003



Tritanopia
18, 3.533, 344.459

Trichromacy



Original Color
18, 23.737, 104.492

Protanomaly
18, 23.660, 100.409

Deuteranomaly
18, 22.341, 91.535

Tritanomaly
18, 8.483, 93.889

Monochromacy



Original Color
18, 23.737, 104.492

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 10.280, 107.468

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 23.737, 104.492 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(46, 46, 7)` looks like.

```
.text, #text, p{  
    color:rgb(46, 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(46, 46, 7) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 18, 23.737, 104.492 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(46, 46, 7) }
```

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

```
.border{ border-color:rgb(46, 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(46, 46, 7)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 18, 23.737, 104.492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(46, 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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