

Converting Colors

CIELCh(32, 22.850, 121.085)

Have a look what the booklet for
CIELCh(32, 22.850, 121.085)
contains.

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Color

CIELCh(32, 23.004, 121.920)

Conversions

Conversions Part 1

Format	Color
Hex	43502C
RGB	67, 80, 44
RGB Percent	26%, 31%, 17%
CMY	0.7378, 0.6868, 0.8280
CMYK	0.16, 0.00, 0.45, 0.69
HSL	82°, 29%, 24%
HSV	82°, 45%, 31%
XYZ	5.6150, 7.0852, 3.4412
YIQ	72.0090, 3.8080, -13.9520

Conversions

Conversions Part 2

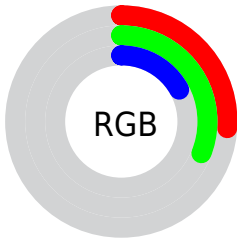
Format	Color
RYB	44, 80, 57
Decimal	4411436
CIELab	32.00, -12.16, 19.53
CIElCh	32, 23.004, 121.920
Yxy	7.0852, 0.3479, 0.4389
Android (android.graphics.Color)	4282601516 (0xFF43502C)
YUV	72.0090, -13.8084, -4.3929
Hunter-Lab	26.6180, -8.9272, 10.9676

Details

The CIELCh color **32, 23.004, 121.920** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **21, 24.888, 306.699**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 22.984, 121.443**, and **12, 20.807, 122.323** is the 20% darker color. If you saturate the color by 10%, you get **32, 27.799, 121.505**, and if you desaturate by 10%, it is **32, 18.026, 122.391**.

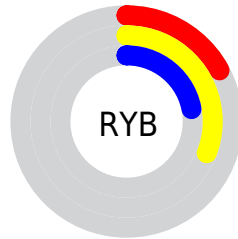
Distribution



Red (26%)

Green (31%)

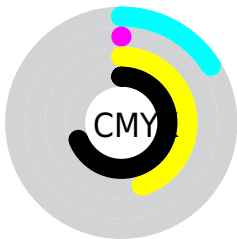
Blue (17%)



Red (17%)

Yellow (31%)

Blue (22%)

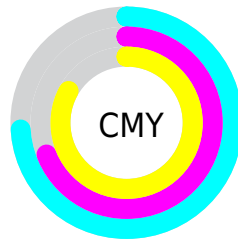


Cyan (16%)

Magenta (0%)

Yellow (45%)

Black (69%)



Cyan (74%)


Magenta (69%)


Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 23.004, 121.920 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 32, 23.004, 121.920 by changing the saturation by 10% instead.


 32, 23.004,
121.920


 32, 23.004,
121.920

 100, 23.004,
121.920


 22, 23.004,
121.920

 52, 23.004,
121.920


 12, 23.004,
121.920


 62, 23.004,
121.920

 2, 23.004, 121.920

 72, 23.004,
121.920

 0, 23.004, 121.920

 82, 23.004,
121.920

 92, 23.004,
121.920

■ 32, 23.004,
121.920

■ 32, 23.004,
121.920

■ 32, 27.799,
121.505

■ 32, 18.026,
122.391

■ 31, 32.305,
121.184

■ 33, 12.937,
122.881

■ 31, 36.379,
121.024

■ 33, 7.789, 123.373

■ 31, 39.841,
121.107

■ 34, 2.617, 123.860

■ 34, 2.551, 304.289

■ 31, 42.851,
121.325

■ 35, 7.697, 304.731

■ 30, 44.449,
121.324

■ 35, 12.807,
305.137

■ 36, 17.869,
305.514

■ 37, 22.877,

Harmonies

Complementary

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



32, 23.004, 121.920



21, 24.888, 306.699

Rectangle

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



32, 23.004, 121.920



32, 23.004, 171.920



32, 23.004, 301.920



32, 23.004, 351.920

Sweetspot

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



32, 23.005, 121.922



43, 9.041, 123.401



26, 14.669, 54.554



22, 6.292, 123.336



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



32, 23.005, 121.922



41, 34.017, 121.471



31, 26.375, 137.820



16, 2.940, 123.681



40, 53.786, 121.876



84, 97.203, 122.933

Inverse Universe

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



21, 24.888, 306.699



25, 37.672, 307.463



23, 26.682, 322.128



15, 2.984, 304.495



12, 66.249, 309.761



33, 119.789, 309.065

Previews

White Background



This preview shows how the CIE LCh color 32, 23.004, 121.920 looks on a white background.

Color Contrast Check

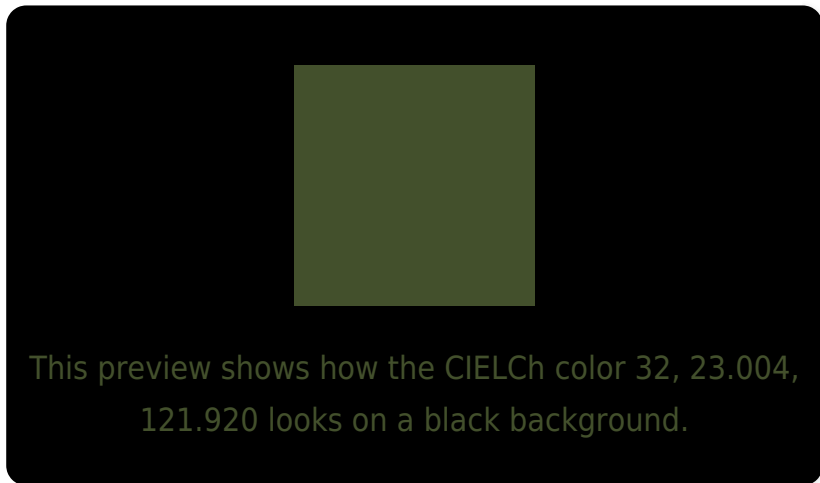
Large Text (above 18pt) WCAG AA ✓ Pass

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

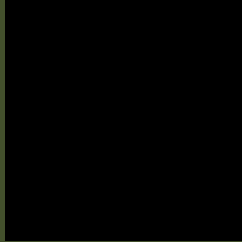
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 23.004, 121.920

Background



This preview shows how black text looks on a background with the CIELCh color 32, 23.004, 121.920.



This preview shows how white text looks on a background with the CIELCh color 32, 23.004, 121.920.

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

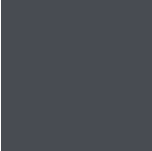
32, 23.004, 121.920

Protanopia

32, 20.907, 95.371

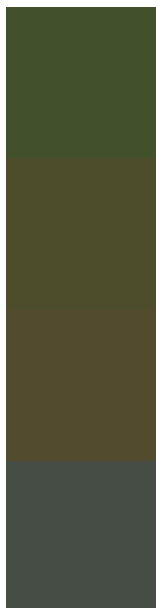
Deuteranopia

32, 19.095, 77.267



Tritanopia
32, 4.115, 266.957

Trichromacy



Original Color
32, 23.004, 121.920

Protanomaly
32, 21.003, 106.355

Deuteranomaly
32, 19.033, 96.237

Tritanomaly
32, 6.502, 137.678

Monochromacy



Original Color
32, 23.004, 121.920

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 8.540, 124.156

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 23.004, 121.920 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(67, 80, 44)` looks like.

```
.text, #text, p{  
    color:rgb(67, 80, 44)  
}
```

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(67, 80, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 80, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 23.004, 121.920 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(67, 80, 44) }
```

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

```
.border{ border-color:rgb(67, 80, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 80, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 80, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 80, 44);  
box-shadow:4px 4px 4px 4px rgb(67, 80, 44)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 23.004, 121.920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 80, 44) }
```

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

```
.background{ background-color: rgb(67, 80,  
44) }
```

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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