

Converting Colors

CIELCh(32, 21.858, 121.588)

Have a look what the booklet for
CIELCh(32, 21.858, 121.588)
contains.

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Color

CIELCh(32, 22.304, 121.250)

Conversions

Conversions Part 1

Format	Color
Hex	44502D
RGB	68, 80, 45
RGB Percent	27%, 31%, 18%
CMY	0.7348, 0.6877, 0.8249
CMYK	0.15, 0.00, 0.44, 0.69
HSL	81°, 28%, 24%
HSV	81°, 44%, 31%
XYZ	5.6664, 7.0852, 3.5164
YIQ	72.4220, 4.0830, -13.4290

Conversions

Conversions Part 2

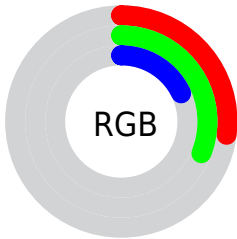
Format	Color
RYB	45, 80, 57
Decimal	4476973
CIELab	32.00, -11.57, 19.07
CIElCh	32, 22.304, 121.250
Yxy	7.0852, 0.3483, 0.4355
Android (android.graphics.Color)	4282667053 (0xFF44502D)
YUV	72.4220, -13.5190, -3.8781
Hunter-Lab	26.6180, -8.5826, 10.8000

Details

The CIELCh color **32, 22.304, 121.250** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **21, 24.128, 306.041**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 22.331, 120.789**, and **12, 20.807, 122.323** is the 20% darker color. If you saturate the color by 10%, you get **32, 27.091, 120.817**, and if you desaturate by 10%, it is **32, 17.344, 121.735**.

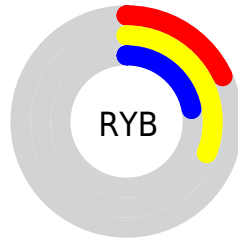
Distribution



Red (27%)

Green (31%)

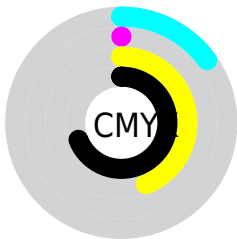
Blue (18%)



Red (18%)

Yellow (31%)

Blue (22%)

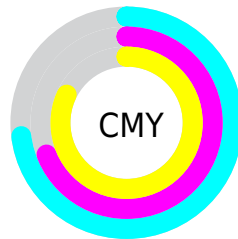


Cyan (15%)

Magenta (0%)

Yellow (44%)

Black (69%)



Cyan (73%)


Magenta (69%)


Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 22.304, 121.250 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, 22.304, 121.250 by changing the saturation by 10% instead.


 32, 22.304,
121.250


 32, 22.304,
121.250

 100, 22.304,
121.250


 22, 22.304,
121.250

 52, 22.304,
121.250


 12, 22.304,
121.250


 62, 22.304,
121.250

 2, 22.304, 121.250

 72, 22.304,
121.250

 0, 22.304, 121.250

 82, 22.304,
121.250

 92, 22.304,
121.250

■ 32, 22.304,
121.250

■ 32, 22.304,
121.250

■ 32, 27.091,
120.817

■ 32, 17.344,
121.735

■ 31, 31.602,
120.473

■ 33, 12.278,
122.237

■ 31, 35.700,
120.281

■ 33, 7.157, 122.740

■ 31, 39.208,
120.318

■ 34, 2.014, 123.240

■ 34, 3.125, 303.680

■ 31, 42.190,
120.535

■ 35, 8.243, 304.129

■ 30, 44.130,
120.541

■ 35, 13.324,
304.545

■ 36, 18.361,
304.932

■ 36, 23.344,

Harmonies

Complementary

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



32, 22.304, 121.250



21, 24.128, 306.041

Rectangle

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



32, 22.304, 121.250



32, 22.304, 171.250



32, 22.304, 301.250



32, 22.304, 351.250

Sweetspot

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



32, 22.305, 121.252



43, 8.368, 122.762



26, 14.247, 52.858



22, 5.903, 122.691



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, 22.305, 121.252



42, 33.301, 120.776



31, 25.533, 137.470



16, 2.930, 122.997



40, 53.492, 121.086



84, 96.623, 122.119

Inverse Universe

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



21, 24.128, 306.041



25, 36.912, 306.851



23, 25.874, 321.575



15, 2.976, 303.836



12, 66.477, 309.466



33, 120.201, 308.788

Previews

White Background



This preview shows how the CIELCh color 32, 22.304, 121.250 looks on a white background.

Color Contrast Check

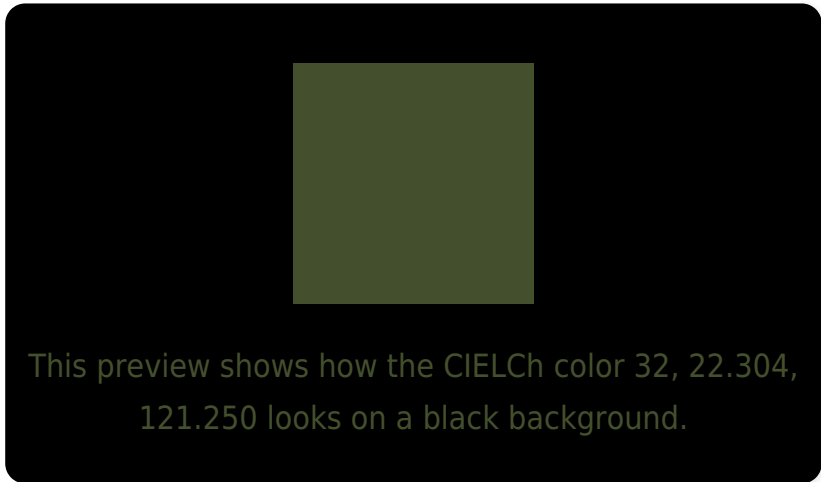
Large Text (above 18pt) WCAG AA ✓ Pass

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

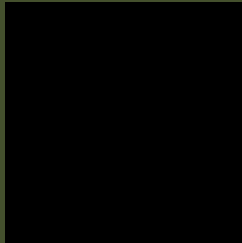
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 22.304, 121.250

Background



This preview shows how black text looks on a background with the CIELCh color 32, 22.304, 121.250.



This preview shows how white text looks on a background with the CIELCh color 32, 22.304, 121.250.

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

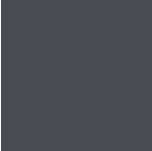
32, 22.304, 121.250

Protanopia

32, 20.218, 96.579

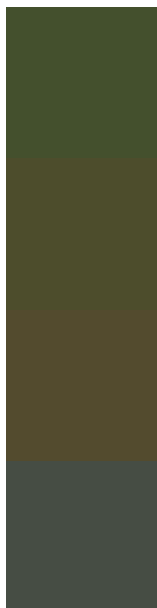
Deuteranopia

32, 19.095, 77.267



Tritanopia
32, 3.984, 272.480

Trichromacy



Original Color
32, 22.304, 121.250

Protanomaly
32, 20.411, 106.463

Deuteranomaly
32, 18.545, 94.531

Tritanomaly
32, 6.502, 137.678

Monochromacy



Original Color
32, 22.304, 121.250

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, 22.304, 121.250 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(68, 80, 45)` looks like.

```
.text, #text, p{  
    color:rgb(68, 80, 45)  
}
```

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(68, 80, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 80, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 22.304, 121.250 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(68, 80, 45) }
```

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

```
.border{ border-color:rgb(68, 80, 45) }
```

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

Here you see how a box with a 4 pixel rgb(68, 80, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 80, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 80, 45);  
box-shadow:4px 4px 4px 4px rgb(68, 80, 45)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 22.304, 121.250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 80, 45) }
```

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

```
.background{ background-color: rgb(68, 80,  
45) }
```

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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