

Converting Colors

CIELCh(33, 46.525, 120.285)

Have a look what the booklet for
CIELCh(33, 46.525, 120.285)
contains.

CIELCh(33, 46.489, 120.450)	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(33, 46.489, 120.450)

Conversions

Conversions Part 1

Format	Color
Hex	395600
RGB	57, 86, 0
RGB Percent	22%, 34%, 0%
CMY	0.7762, 0.6625, 0.9997
CMYK	0.34, 0.00, 1.00, 0.66
HSL	80°, 100%, 17%
HSV	80°, 100%, 34%
XYZ	5.0240, 7.5373, 1.1918
YIQ	67.5250, 10.3220, -32.8940

Conversions

Conversions Part 2

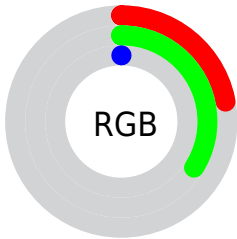
Format	Color
RYB	0, 86, 29
Decimal	3757568
CIELab	33.00, -23.56, 40.08
CIELCh	33, 46.489, 120.450
Yxy	7.5373, 0.3653, 0.5480
Android (android.graphics.Color)	4281947648 (0xFF395600)
YUV	67.5250, -33.2898, -9.2304
Hunter-Lab	27.4541, -15.3796, 16.6441

Details

The CIELCh color **33, 46.489, 120.450** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **8, 57.888, 309.628**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 46.280, 120.397**, and **13, 28.859, 139.822** is the 20% darker color. If you saturate the color by 10%, you get **33, 46.513, 120.452**, and if you desaturate by 10%, it is **33, 43.413, 120.269**.

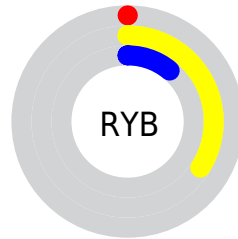
Distribution



Red (22%)

Green (34%)

Blue (0%)



Red (0%)

Yellow (34%)

Blue (11%)

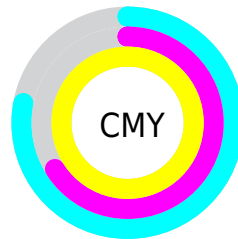


Cyan (34%)

Magenta (0%)

Yellow (100%)

Black (66%)



Cyan (78%)


Magenta (66%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 46.489, 120.450 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 33, 46.489, 120.450 by changing the saturation by 10% instead.


 33, 46.489,
120.450


 33, 46.489,
120.450

 100, 46.489,
120.450


 23, 46.489,
120.450

 53, 46.489,
120.450


 13, 46.489,
120.450


 63, 46.489,
120.450

 3, 46.489, 120.450

 73, 46.489,
120.450

 0, 46.489, 120.450

 83, 46.489,
120.450

 93, 46.489,
120.450

■ 33, 46.489,
120.450

■ 33, 46.489,
120.450

■ 33, 46.513,
120.452

■ 33, 43.413,
120.269

■ 33, 40.224,
120.028

■ 34, 36.271,
120.077

■ 34, 31.747,
120.333

■ 34, 26.830,
120.721

■ 35, 21.658,
121.185

■ 35, 16.327,
121.687

■ 36, 10.904,

122.201

■ 36, 5.435, 122.711

Harmonies

Complementary

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



33, 46.489, 120.450



8, 57.888, 309.628

Rectangle

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



33, 46.489, 120.450



33, 46.489, 170.450



33, 46.489, 300.450



33, 46.489, 350.450

Sweetspot

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



33, 46.489, 120.452



46, 20.361, 121.632



19, 38.260, 48.878



22, 13.724, 121.506



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



33, 46.489, 120.452



43, 56.183, 120.948



31, 53.038, 134.289



17, 3.082, 122.769



41, 54.331, 120.868



85, 97.244, 121.861

Inverse Universe

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



8, 57.888, 309.628



13, 70.032, 309.290



16, 53.041, 322.344



16, 3.131, 303.630



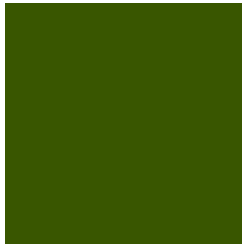
12, 67.715, 309.344



33, 121.337, 308.696

Previews

White Background



This preview shows how the CIELCh color 33, 46.489, 120.450 looks on a white background.

Color Contrast Check

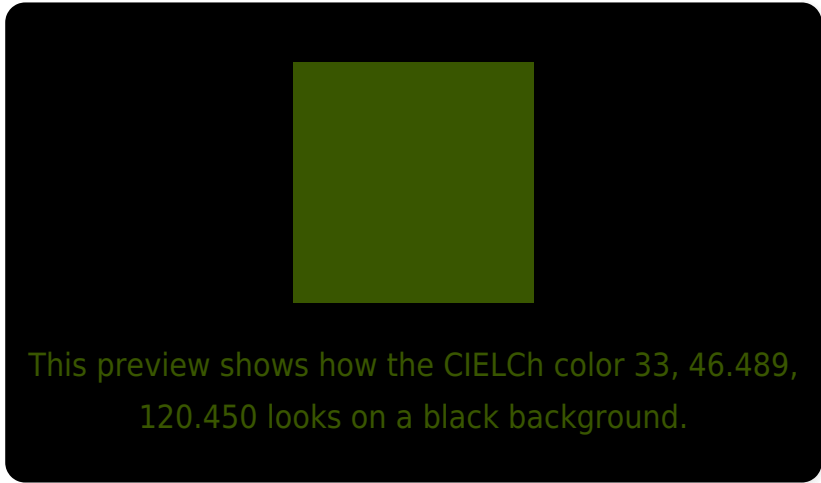
Large Text (above 18pt) WCAG AA ✓ Pass

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

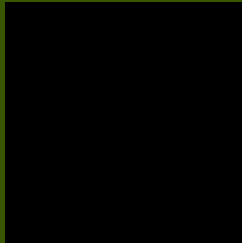
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 46.489, 120.450

Background



This preview shows how black text looks on a background with the CIELCh color 33, 46.489, 120.450.



This preview shows how white text looks on a background with the CIELCh color 33, 46.489, 120.450.

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

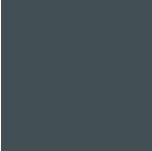
33, 46.489, 120.450

Protanopia

33, 41.439, 95.583

Deuteranopia

33, 35.877, 83.435



Tritanopia
33, 6.669, 233.464

Trichromacy



Original Color
33, 46.489, 120.450

Protanomaly
33, 42.220, 105.649

Deuteranomaly
33, 37.368, 99.511

Tritanomaly
33, 18.929, 134.415

Monochromacy



Original Color
33, 46.489, 120.450

Achromatopsia
29, 0.005, 296.813

Achromatomaly
30, 20.645, 121.356

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 46.489, 120.450 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(57, 86, 0)` looks like.

```
.text, #text, p{  
    color:rgb(57, 86, 0)  
}
```

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(57, 86, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 86, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 46.489, 120.450 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(57, 86, 0) }
```

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

```
.border{ border-color:rgb(57, 86, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 86, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 86, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(57, 86, 0); box-shadow:4px  
4px 4px 4px rgb(57, 86, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 46.489, 120.450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 86, 0) }
```

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

```
.background{ background-color: rgb(57, 86,  
0) }
```

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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