

Converting Colors

CIELCh(32, 46.375, 123.126)

Have a look what the booklet for
CIELCh(32, 46.375, 123.126)
contains.

CIELCh(32, 46.150, 122.935)	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(32, 46.150, 122.935)

Conversions

Conversions Part 1

Format	Color
Hex	335401
RGB	51, 84, 1
RGB Percent	20%, 33%, 0%
CMY	0.7992, 0.6698, 0.9953
CMYK	0.39, 0.00, 0.99, 0.67
HSL	84°, 97%, 17%
HSV	84°, 99%, 33%
XYZ	4.5693, 7.0852, 1.1614
YIQ	64.6710, 6.9750, -32.8090

Conversions

Conversions Part 2

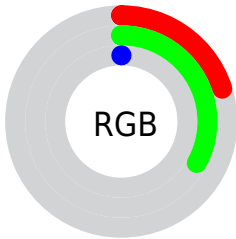
Format	Color
R_{YB}	1, 84, 34
Decimal	3363841
CIE _{Lab}	32.00, -25.09, 38.73
CIE _{LCh}	32, 46.150, 122.935
Yxy	7.0852, 0.3565, 0.5528
Android (android.graphics.Color)	4281553921 (0xFF335401)
YUV	64.6710, -31.3898, -11.9895
Hunter-Lab	26.6180, -15.9398, 16.0456

Details

The CIELCh color $32, 46.150, 122.935$ is a dark color, and the websafe version is hex 336600 . A complement of this color would be $9, 55.598, 310.593$, and the grayscale version is $28, 0.004, 296.813$.

A 20% lighter version of the original color is $52, 46.113, 123.255$, and $12, 29.257, 142.684$ is the 20% darker color. If you saturate the color by 10%, you get $32, 46.630, 122.939$, and if you desaturate by 10%, it is $32, 43.013, 122.725$.

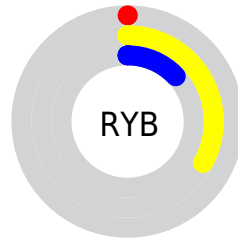
Distribution



Red (20%)

Green (33%)

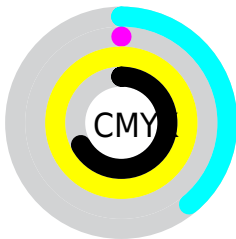
Blue (0%)



Red (0%)

Yellow (33%)

Blue (13%)

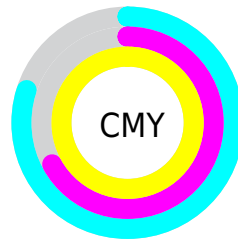


Cyan (39%)

Magenta (0%)

Yellow (99%)

Black (67%)



Cyan (80%)


Magenta (67%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 46.150, 122.935 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, 46.150, 122.935 by changing the saturation by 10% instead.


 32, 46.150,
122.935

 32, 46.150,
122.935

 100, 46.150,
122.935


 22, 46.150,
122.935

 52, 46.150,
122.935


 12, 46.150,
122.935


 62, 46.150,
122.935

 2, 46.150, 122.935

 72, 46.150,
122.935

 0, 46.150, 122.935

 82, 46.150,
122.935

 92, 46.150,
122.935

■ 32, 46.150,
122.935

■ 32, 46.150,
122.935

■ 32, 46.630,
122.939

■ 32, 43.013,
122.725

■ 33, 39.658,
122.494

■ 33, 35.580,
122.552

■ 33, 30.977,
122.805

■ 34, 26.018,
123.179

■ 34, 20.829,
123.620

■ 34, 15.500,
124.091

■ 35, 10.094,

124.568

■ 35, 4.654, 125.038

Harmonies

Complementary

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



32, 46.150, 122.935



9, 55.598, 310.593

Rectangle

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



32, 46.150, 122.935



32, 46.150, 172.935



32, 46.150, 302.935



32, 46.150, 352.935

Sweetspot

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



32, 46.150, 122.936



44, 20.226, 123.973



20, 36.334, 52.715



22, 13.895, 123.852



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



32, 46.150, 122.936



42, 56.294, 123.479



31, 52.175, 134.972



17, 3.116, 125.026



41, 55.345, 123.435



84, 99.214, 124.492

Inverse Universe

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



9, 55.598, 310.593



13, 68.083, 310.334



16, 51.555, 324.064



16, 3.162, 305.808



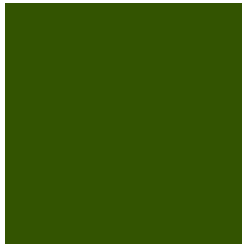
13, 66.936, 310.363



35, 119.927, 309.662

Previews

White Background



This preview shows how the CIELCh color 32, 46.150, 122.935 looks on a white background.

Color Contrast Check

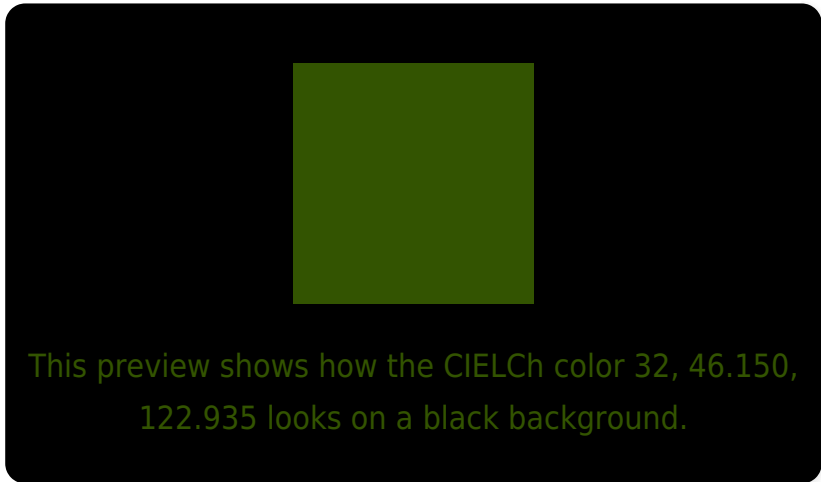
Large Text (above 18pt) WCAG AA ✓ Pass

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, 46.150, 122.935

Background



This preview shows how black text looks on a background with the CIELCh color 32, 46.150, 122.935.



This preview shows how white text looks on a background with the CIELCh color 32, 46.150, 122.935.

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

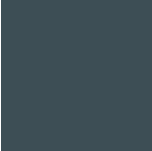
32, 46.150, 122.935

Protanopia

32, 40.379, 95.340

Deuteranopia

32, 34.639, 82.618



Tritanopia
32, 7.919, 232.859

Trichromacy



Original Color
32, 46.150, 122.935

Protanomaly
31, 41.190, 106.454

Deuteranomaly
31, 36.467, 101.074

Tritanomaly
32, 18.839, 140.538

Monochromacy



Original Color
32, 46.150, 122.935

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 19.744, 123.618

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 46.150, 122.935 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(51, 84, 1)` looks like.

```
.text, #text, p{  
    color:rgb(51, 84, 1)  
}
```

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(51, 84, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 84, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 46.150, 122.935 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(51, 84, 1) }
```

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

```
.border{ border-color:rgb(51, 84, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 84, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 84, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(51, 84, 1); box-shadow:4px  
4px 4px 4px rgb(51, 84, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 46.150, 122.935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 84, 1) }
```

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

```
.background{ background-color: rgb(51, 84,  
1) }
```

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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