

Converting Colors

CIELCh(42, 32.568, 112.059)

Have a look what the booklet for
CIELCh(42, 32.568, 112.059)
contains.

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Color

CIELCh(42, 32.568, 112.059)

Conversions

Conversions Part 1

Format	Color
Hex	606830
RGB	96, 104, 48
RGB Percent	38%, 41%, 19%
CMY	0.6251, 0.5936, 0.8132
CMYK	0.08, 0.00, 0.54, 0.59
HSL	69°, 37%, 30%
HSV	69°, 54%, 41%
XYZ	10.2210, 12.5000, 4.6317
YIQ	95.2240, 13.2080, -19.1120

Conversions

Conversions Part 2

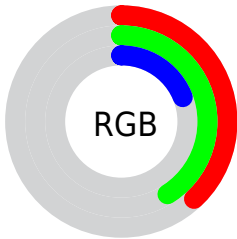
Format	Color
R _Y B	48, 104, 56
Decimal	6318128
CIE Lab	42.00, -12.23, 30.18
CIE LCh	42, 32.568, 112.059
Yxy	12.5000, 0.3737, 0.4570
Android (android.graphics.Color)	4284508208 (0xFF606830)
YUV	95.2240, -23.2814, 0.6806
Hunter-Lab	35.3553, -10.2687, 16.9816

Details

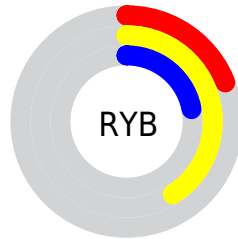
The CIELCh color $42, 32.568, 112.059$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $23, 37.225, 301.287$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 32.446, 111.910$, and $22, 32.335, 111.989$ is the 20% darker color. If you saturate the color by 10%, you get $42, 37.823, 111.526$, and if you desaturate by 10%, it is $42, 26.908, 112.691$.

Distribution



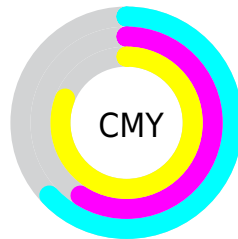
- Red (38%)
- Green (41%)
- Blue (19%)



- Red (19%)
- Yellow (41%)
- Blue (22%)



- Cyan (8%)
- Magenta (0%)
- Yellow (54%)
- Black (59%)





- Cyan (63%)
- Magenta (59%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 32.568, 112.059 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 42, 32.568, 112.059 by changing the saturation by 10% instead.


 42, 32.568,
112.059


 42, 32.568,
112.059


 100, 32.568,
112.059


 32, 32.568,
112.059

 62, 32.568,
112.059


 22, 32.568,
112.059

 72, 32.568,
112.059

 12, 32.568,
112.059

 82, 32.568,
112.059

 2, 32.568, 112.059

 92, 32.568,
112.059

 0, 32.568, 112.059

 42, 32.568,

 42, 32.568,

112.059

■ 42, 37.823,
111.526

■ 42, 42.467,
111.137

■ 41, 46.249,
110.959

■ 41, 49.026,
111.027

■ 41, 50.637,
111.061

112.059

■ 42, 26.908,
112.691

■ 43, 20.986,
113.375

■ 43, 14.903,
114.086

■ 43, 8.727, 114.802

■ 44, 2.503, 115.508

■ 44, 3.737, 296.201

■ 45, 9.972, 296.864

■ 45, 16.184,
297.498

■ 46, 22.363,
298.100

Harmonies

Complementary

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



42, 32.568, 112.059



23, 37.225, 301.287

Rectangle

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



42, 32.568, 112.059



42, 32.568, 162.059



42, 32.568, 292.059



42, 32.568, 342.059

Sweetspot

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



42, 32.569, 112.061



56, 12.379, 114.628



29, 25.095, 34.444



29, 8.419, 114.523



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



42, 32.569, 112.061



54, 47.416, 111.398



40, 36.336, 131.166



21, 3.451, 115.165



45, 54.450, 111.153



90, 94.569, 111.636

Inverse Universe

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



23, 37.225, 301.287



26, 56.657, 303.082



27, 38.158, 315.765



19, 3.519, 296.448



12, 73.294, 307.086



31, 127.744, 306.760

Previews

White Background



This preview shows how the CIELCh color 42, 32.568, 112.059 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 × Fail

Black Background



This preview shows how the CIELCh color 42, 32.568, 112.059 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

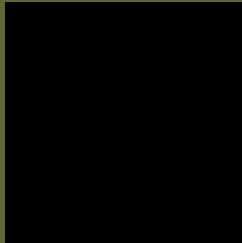
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

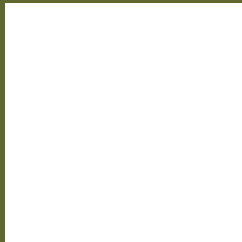
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 32.568, 112.059

Background



This preview shows how black text looks on a background with the CIELCh color 42, 32.568, 112.059.



This preview shows how white text looks on a background with the CIELCh color 42, 32.568, 112.059.

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


42, 32.568, 112.059

Protanopia

42, 31.427, 95.655

Deuteranopia

42, 29.870, 78.758



Tritanopia
42, 5.281, 313.589

Trichromacy



Original Color
42, 32.568, 112.059

Protanomaly
42, 31.441, 101.929

Deuteranomaly
42, 29.302, 91.392

Tritanomaly
42, 9.028, 106.030

Monochromacy



Original Color
42, 32.568, 112.059

Achromatopsia
40, 0.006, 296.813

Achromatomaly
41, 12.117, 114.640

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 32.568, 112.059 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(96, 104, 48)` looks like.

```
.text, #text, p{  
    color:rgb(96, 104, 48)  
}
```

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(96, 104, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 104, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 32.568, 112.059 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(96, 104, 48) }
```

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

```
.border{ border-color:rgb(96, 104, 48) }
```

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

Here you see how a box with a 4 pixel rgb(96, 104, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 104, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 104, 48);  
box-shadow:4px 4px 4px 4px rgb(96, 104,  
48) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 32.568, 112.059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 104, 48) }
```

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

```
.background{ background-color: rgb(96, 104,  
48) }
```

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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