

Converting Colors

CIELCh(44, 21.759, 120.200)

Have a look what the booklet for
CIELCh(44, 21.759, 120.200)
contains.

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Color

CIELCh(44, 21.759, 120.200)

Conversions

Conversions Part 1

Format	Color
Hex	616C48
RGB	97, 108, 72
RGB Percent	38%, 42%, 28%
CMY	0.6182, 0.5750, 0.7163
CMYK	0.10, 0.00, 0.33, 0.57
HSL	78°, 20%, 35%
HSV	78°, 33%, 43%
XYZ	11.5525, 13.8382, 8.2535
YIQ	100.6070, 5.0000, -13.5280

Conversions

Conversions Part 2

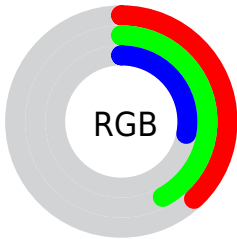
Format	Color
RYB	72, 108, 83
Decimal	6384712
CIELab	44.00, -10.95, 18.81
CIElCh	44, 21.759, 120.200
Yxy	13.8382, 0.3434, 0.4113
Android (android.graphics.Color)	4284574792 (0xFF616C48)
YUV	100.6070, -14.1033, -3.1633
Hunter-Lab	37.1997, -9.6656, 12.8852

Details

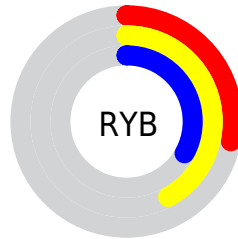
The CIELCh color $44, 21.759, 120.200$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $33, 23.173, 304.138$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $64, 21.447, 120.028$, and $24, 21.779, 120.511$ is the 20% darker color. If you saturate the color by 10%, you get $44, 28.089, 119.677$, and if you desaturate by 10%, it is $44, 15.281, 120.752$.

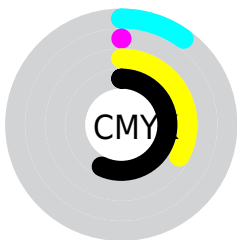
Distribution



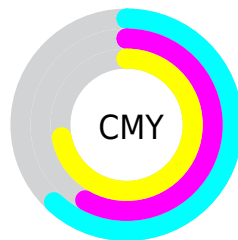
- Red (38%)
- Green (42%)
- Blue (28%)



- Red (28%)
- Yellow (42%)
- Blue (33%)



- Cyan (10%)
- Magenta (0%)
- Yellow (33%)
- Black (57%)



- Cyan (62%)
- Magenta (58%)
- Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 21.759, 120.200 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 44, 21.759, 120.200 by changing the saturation by 10% instead.


 44, 21.759,
120.200


 44, 21.759,
120.200

 100, 21.759,
120.200


 34, 21.759,
120.200

 64, 21.759,
120.200


 24, 21.759,
120.200

 74, 21.759,
120.200

 14, 21.759,
120.200

 84, 21.759,
120.200

 4, 21.759, 120.200

 94, 21.759,
120.200

 0, 21.759, 120.200

 44, 21.759,

 44, 21.759,

120.200

■ 44, 28.089,
119.677

■ 43, 34.166,
119.209

■ 43, 39.845,
118.848

■ 42, 44.921,
118.662

■ 42, 49.141,
118.742

■ 42, 52.294,
119.161

■ 42, 54.290,
119.441

120.200

■ 44, 15.281,
120.752

■ 45, 8.722, 121.304

■ 46, 2.130, 121.853

■ 46, 4.461, 302.347

■ 47, 11.027,
302.840

■ 48, 17.548,
303.299

■ 48, 24.013,
303.728

■ 49, 30.411,
304.125

■ 50, 36.734,

Harmonies

Complementary

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



44, 21.759, 120.200



33, 23.173, 304.138

Rectangle

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



44, 21.759, 120.200



44, 21.759, 170.200



44, 21.759, 300.200



44, 21.759, 350.200

Sweetspot

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



44, 21.760, 120.202



58, 8.141, 121.467



38, 13.570, 49.710



30, 5.598, 121.409



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



44, 21.760, 120.202



56, 32.171, 119.787



43, 24.772, 137.141



22, 3.666, 121.539



45, 57.479, 119.567



89, 99.432, 120.400

Inverse Universe

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



33, 23.173, 304.138



40, 34.867, 304.757



35, 25.124, 320.198



20, 3.729, 302.496



14, 72.745, 308.775



34, 126.047, 308.240

Previews

White Background



This preview shows how the CIELCh color 44, 21.759, 120.200 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 CIE LCh color 44, 21.759, 120.200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

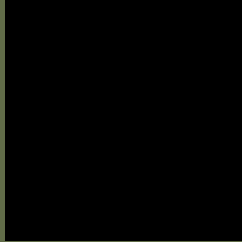
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

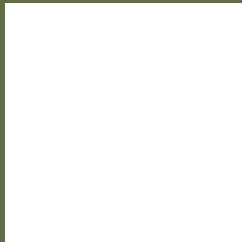
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 44, 21.759, 120.200

Background



This preview shows how black text looks on a background with the CIELCh color 44, 21.759, 120.200.



This preview shows how white text looks on a background with the CIELCh color 44, 21.759, 120.200.

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

44, 21.759, 120.200

Protanopia

44, 20.460, 96.829

Deuteranopia

44, 18.808, 71.706



Tritanopia
44, 5.401, 290.957

Trichromacy



Original Color
44, 21.759, 120.200

Protanomaly
44, 20.629, 105.909

Deuteranomaly
44, 18.152, 89.918

Tritanomaly
44, 4.517, 131.281

Monochromacy



Original Color
44, 21.759, 120.200

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 7.964, 121.433

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 21.759, 120.200 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(97, 108, 72)` looks like.

```
.text, #text, p{  
    color:rgb(97, 108, 72)  
}
```

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(97, 108, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 108, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 21.759, 120.200 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(97, 108, 72) }
```

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

```
.border{ border-color:rgb(97, 108, 72) }
```

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

Here you see how a box with a 4 pixel rgb(97, 108, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 108, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 108, 72);  
box-shadow:4px 4px 4px 4px rgb(97, 108,  
72) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 21.759, 120.200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 108, 72) }
```

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

```
.background{ background-color: rgb(97, 108,  
72) }
```

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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