

Converting Colors

CIELCh(44, 23.431, 149.312)

Have a look what the booklet for
CIELCh(44, 23.431, 149.312)
contains.

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Color

CIELCh(44, 23.355, 149.334)

Conversions

Conversions Part 1

Format	Color
Hex	4B7154
RGB	75, 113, 84
RGB Percent	29%, 44%, 33%
CMY	0.7074, 0.5584, 0.6720
CMYK	0.34, 0.00, 0.26, 0.56
HSL	134°, 20%, 37%
HSV	134°, 34%, 44%
XYZ	10.3197, 13.8382, 10.4388
YIQ	98.3320, -13.3390, -17.0750

Conversions

Conversions Part 2

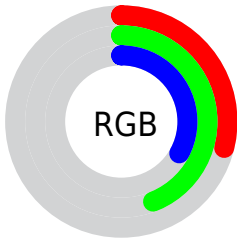
Format	Color
R_{YB}	75, 106, 113
Decimal	4944212
CIE Lab	44.00, -20.09, 11.91
CIE LCh	44, 23.355, 149.334
Yxy	13.8382, 0.2983, 0.4000
Android (android.graphics.Color)	4283134292 (0xFF4B7154)
YUV	98.3320, -7.0657, -20.4622
Hunter-Lab	37.1997, -15.5813, 9.4021

Details

The CIELCh color $44, 23.355, 149.334$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $37, 23.503, 334.012$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $64, 23.196, 149.672$, and $24, 23.471, 149.465$ is the 20% darker color. If you saturate the color by 10%, you get $43, 30.086, 148.324$, and if you desaturate by 10%, it is $45, 16.460, 150.215$.

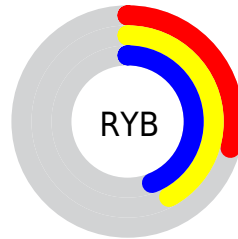
Distribution



Red (29%)

Green (44%)

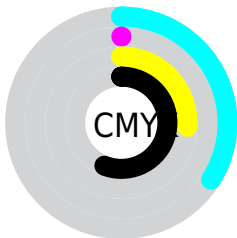
Blue (33%)



Red (29%)

Yellow (42%)

Blue (44%)

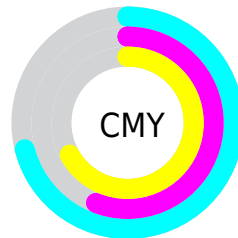


Cyan (34%)

Magenta (0%)

Yellow (26%)

Black (56%)



Cyan (71%)

Magenta (56%)


Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 23.355, 149.334 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, 23.355, 149.334 by changing the saturation by 10% instead.


 44, 23.355,
149.334


 44, 23.355,
149.334


 100, 23.355,
149.334


 34, 23.355,
149.334

 64, 23.355,
149.334


 24, 23.355,
149.334

 74, 23.355,
149.334

 14, 23.355,
149.334

 84, 23.355,
149.334

 4, 23.355, 149.334

 94, 23.355,
149.334

 0, 23.355, 149.334

 44, 23.355,

 44, 23.355,

149.334

149.334

■ 43, 30.086,
148.324

■ 45, 16.460,
150.215

■ 43, 36.531,
147.169

■ 46, 9.502, 150.988

■ 42, 42.562,
145.861

■ 47, 2.565, 151.714

■ 48, 4.287, 332.166

■ 42, 48.048,
144.401

■ 50, 11.006,
332.710

■ 41, 52.869,
142.810

■ 51, 17.560,
333.172

■ 41, 56.942,
141.157

■ 52, 23.928,
333.581

■ 41, 59.220,
140.276

■ 54, 30.101,
333.946

■ 56, 36.075,

Harmonies

Complementary

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



44, 23.355, 149.334



37, 23.503, 334.012

Rectangle

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



44, 23.355, 149.334



44, 23.355, 199.334



44, 23.355, 329.334



44, 23.355, 19.334

Sweetspot

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



44, 23.356, 149.334



59, 8.515, 151.237



46, 22.518, 117.205



30, 5.858, 151.160



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



44, 23.356, 149.334



55, 33.998, 148.611



44, 15.936, 175.165



23, 3.870, 151.326



43, 62.108, 140.141



86, 108.744, 139.081

Inverse Universe

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



37, 23.503, 334.012



45, 34.187, 334.524



36, 17.741, 1.951



22, 3.884, 332.372



26, 55.460, 339.934



56, 93.841, 340.785

Previews

White Background



This preview shows how the CIELCh color 44, 23.355, 149.334 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, 23.355, 149.334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

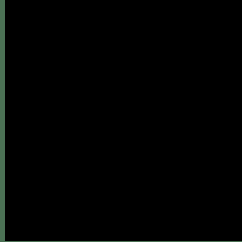
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 23.355, 149.334

Background



This preview shows how black text looks on a background with the CIELCh color 44, 23.355, 149.334.



This preview shows how white text looks on a background with the CIELCh color 44, 23.355, 149.334.

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, 23.355, 149.334

Protanopia

44, 14.745, 93.917

Deuteranopia

44, 12.326, 62.477



Tritanopia
44, 11.148, 227.553

Trichromacy



Original Color
44, 23.355, 149.334

Protanomaly
44, 15.266, 121.307

Deuteranomaly
44, 11.903, 110.556

Tritanomaly
44, 12.403, 183.922

Monochromacy



Original Color
44, 23.355, 149.334

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 8.148, 150.850

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 23.355, 149.334 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(75, 113, 84)` looks like.

```
.text, #text, p{  
    color:rgb(75, 113, 84)  
}
```

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(75, 113, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 113, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 23.355, 149.334 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(75, 113, 84) }
```

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

```
.border{ border-color:rgb(75, 113, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 113, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 113, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 113, 84);  
box-shadow:4px 4px 4px 4px rgb(75, 113,  
84) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 23.355, 149.334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 113, 84) }
```

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

```
.background{ background-color: rgb(75, 113,  
84) }
```

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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