

Converting Colors

CIELCh(44, 52.065, 120.434)

Have a look what the booklet for
CIELCh(44, 52.065, 120.434)
contains.

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Color

CIELCh(44, 51.990, 120.455)

Conversions

Conversions Part 1

Format	Color
Hex	517212
RGB	81, 114, 18
RGB Percent	32%, 45%, 7%
CMY	0.6822, 0.5528, 0.9292
CMYK	0.29, 0.00, 0.84, 0.55
HSL	81°, 73%, 26%
HSV	81°, 84%, 45%
XYZ	9.5280, 13.8382, 2.7432
YIQ	93.1890, 11.1480, -36.8520

Conversions

Conversions Part 2

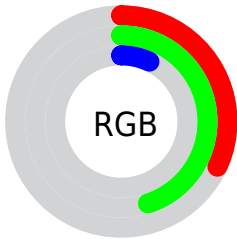
Format	Color
RYB	18, 114, 51
Decimal	5337618
CIELab	44.00, -26.35, 44.82
CIElCh	44, 51.990, 120.455
Yxy	13.8382, 0.3649, 0.5300
Android (android.graphics.Color)	4283527698 (0xFF517212)
YUV	93.1890, -37.0682, -10.6898
Hunter-Lab	37.1997, -19.3802, 21.6676

Details

The CIELCh color $44, 51.990, 120.455$ is a dark color, and the websafe version is hex 336600 . A complement of this color would be $17, 62.386, 308.942$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $64, 51.861, 120.272$, and $24, 40.565, 127.459$ is the 20% darker color. If you saturate the color by 10%, you get $44, 55.200, 120.977$, and if you desaturate by 10%, it is $44, 47.658, 120.294$.

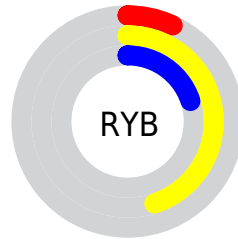
Distribution



Red (32%)

Green (45%)

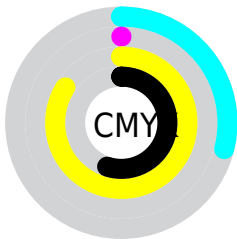
Blue (7%)



Red (7%)

Yellow (45%)

Blue (20%)

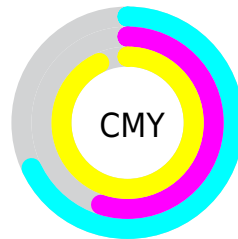


Cyan (29%)

Magenta (0%)

Yellow (84%)

Black (55%)



Cyan (68%)


Magenta (55%)

Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 51.990, 120.455 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, 51.990, 120.455 by changing the saturation by 10% instead.


 44, 51.990,
120.455


 44, 51.990,
120.455


 100, 51.990,
120.455


 34, 51.990,
120.455

 64, 51.990,
120.455


 24, 51.990,
120.455

 74, 51.990,
120.455

 14, 51.990,
120.455

 84, 51.990,
120.455

 4, 51.990, 120.455

 94, 51.990,
120.455

 0, 51.990, 120.455

 44, 51.990,

 44, 51.990,

120.455

■ 44, 55.200,
120.977

■ 44, 56.962,
121.269

120.455

■ 44, 47.658,
120.294

■ 45, 42.395,
120.421

■ 45, 36.473,
120.739

■ 46, 30.114,
121.174

■ 46, 23.480,
121.672

■ 47, 16.682,
122.196

■ 47, 9.797, 122.722

■ 48, 2.879, 123.245

Harmonies

Complementary

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



44, 51.990, 120.455



17, 62.386, 308.942

Rectangle

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



44, 51.990, 120.455



44, 51.990, 170.455



44, 51.990, 300.455



44, 51.990, 350.455

Sweetspot

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



44, 51.990, 120.456



59, 21.343, 122.118



29, 41.630, 51.078



30, 14.453, 121.977



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, 51.990, 120.456



56, 68.906, 121.658



42, 59.489, 134.949



23, 3.836, 122.993



46, 59.052, 121.350



89, 101.465, 122.208

Inverse Universe

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



17, 62.386, 308.942



19, 85.654, 309.115



24, 59.735, 322.413



21, 3.900, 303.898



15, 73.381, 309.320



35, 126.181, 308.764

Previews

White Background



This preview shows how the CIELCh color 44, 51.990, 120.455 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, 51.990, 120.455 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, 51.990, 120.455

Background



This preview shows how black text looks on a background with the CIELCh color 44, 51.990, 120.455.



This preview shows how white text looks on a background with the CIELCh color 44, 51.990, 120.455.

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

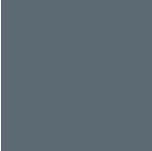
44, 51.990, 120.455

Protanopia

44, 46.914, 95.456

Deuteranopia

44, 43.211, 82.372



Tritanopia
44, 7.499, 245.160

Trichromacy



Original Color
44, 51.990, 120.455

Protanomaly
44, 47.699, 105.713

Deuteranomaly
43, 43.613, 98.599

Tritanomaly
44, 19.479, 135.300

Monochromacy



Original Color
44, 51.990, 120.455

Achromatopsia
39, 0.006, 296.813

Achromatomaly
41, 21.543, 121.634

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 51.990, 120.455 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(81, 114, 18)` looks like.

```
.text, #text, p{  
    color:rgb(81, 114, 18)  
}
```

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(81, 114, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 114, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 51.990, 120.455 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(81, 114, 18) }
```

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

```
.border{ border-color:rgb(81, 114, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 114, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 114, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 114, 18);  
box-shadow:4px 4px 4px 4px rgb(81, 114,  
18) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 51.990, 120.455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 114, 18) }
```

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

```
.background{ background-color: rgb(81, 114,  
18) }
```

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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