

Converting Colors

CIELCh(42, 53.225, 127.544)

Have a look what the booklet for
CIELCh(42, 53.225, 127.544)
contains.

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Color

CIELCh(42, 53.216, 127.539)

Conversions

Conversions Part 1

Format	Color
Hex	3E6F13
RGB	62, 111, 19
RGB Percent	24%, 44%, 7%
CMY	0.7559, 0.5638, 0.9244
CMYK	0.44, 0.00, 0.83, 0.56
HSL	92°, 70%, 26%
HSV	92°, 83%, 44%
XYZ	7.8317, 12.5000, 2.6286
YIQ	85.8610, 0.3280, -39.0000

Conversions

Conversions Part 2

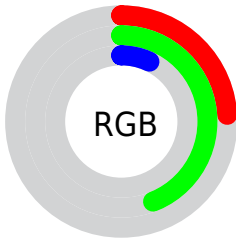
Format	Color
R_{YB}	19, 111, 68
Decimal	4091667
CIE Lab	42.00, -32.42, 42.20
CIE LCh	42, 53.216, 127.539
Yxy	12.5000, 0.3411, 0.5444
Android (android.graphics.Color)	4282281747 (0xFF3E6F13)
YUV	85.8610, -32.9625, -20.9261
Hunter-Lab	35.3553, -22.3314, 20.3407

Details

The CIELCh color $42, 53.216, 127.539$ is a dark color, and the websafe version is hex 336600 . A complement of this color would be $20, 59.104, 313.431$, and the grayscale version is $37, 0.005, 296.813$.

A 20% lighter version of the original color is $62, 53.069, 127.701$, and $22, 42.115, 135.590$ is the 20% darker color. If you saturate the color by 10%, you get $42, 56.901, 128.018$, and if you desaturate by 10%, it is $42, 48.425, 127.430$.

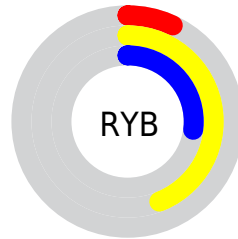
Distribution



Red (24%)

Green (44%)

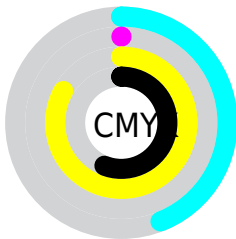
Blue (7%)



Red (7%)

Yellow (44%)

Blue (27%)

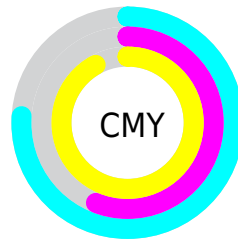


Cyan (44%)

Magenta (0%)

Yellow (83%)

Black (56%)



Cyan (76%)


Magenta (56%)


Yellow (92%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 53.216, 127.539 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, 53.216, 127.539 by changing the saturation by 10% instead.


 42, 53.216,
127.539


 42, 53.216,
127.539


 100, 53.216,
127.539


 32, 53.216,
127.539

 62, 53.216,
127.539


 22, 53.216,
127.539


 72, 53.216,
127.539

 12, 53.216,
127.539

 82, 53.216,
127.539

 2, 53.216, 127.539

 92, 53.216,
127.539

 0, 53.216, 127.539

 42, 53.216,

 42, 53.216,

127.539

127.539

■ 42, 56.901,
128.018

■ 42, 48.425,
127.430

■ 41, 59.357,
128.341

■ 43, 42.774,
127.589

■ 43, 36.523,
127.915

■ 44, 29.881,
128.332

■ 45, 23.002,
128.786

■ 45, 15.993,
129.246

■ 46, 8.931, 129.694

■ 47, 1.871, 130.146

Harmonies

Complementary

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



42, 53.216, 127.539



20, 59.104, 313.431

Rectangle

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



42, 53.216, 127.539



42, 53.216, 177.539



42, 53.216, 307.539



42, 53.216, 357.539

Sweetspot

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



42, 53.216, 127.540



58, 21.959, 129.109



33, 38.172, 66.676



30, 15.091, 128.983



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



42, 53.216, 127.540



54, 71.949, 128.712



41, 59.044, 137.561



23, 3.990, 129.853



45, 62.683, 128.474



87, 108.045, 129.380

Inverse Universe

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



20, 59.104, 313.431



23, 80.913, 312.914



27, 57.386, 328.543



22, 4.037, 310.563



18, 70.633, 313.095



41, 121.300, 312.465

Previews

White Background



This preview shows how the CIELCh color 42, 53.216, 127.539 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 42, 53.216, 127.539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

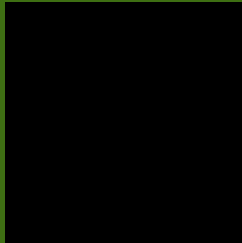
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 53.216, 127.539

Background



This preview shows how black text looks on a background with the CIELCh color 42, 53.216, 127.539.



This preview shows how white text looks on a background with the CIELCh color 42, 53.216, 127.539.

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, 53.216, 127.539

Protanopia

42, 44.617, 95.730

Deuteranopia

42, 40.363, 82.418



Tritanopia
42, 11.568, 223.146

Trichromacy



Original Color
42, 53.216, 127.539

Protanomaly
41, 45.711, 109.590

Deuteranomaly
41, 41.344, 102.552

Tritanomaly
42, 23.311, 148.547

Monochromacy



Original Color
42, 53.216, 127.539

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 21.539, 129.159

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 53.216, 127.539 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(62, 111, 19)` looks like.

```
.text, #text, p{  
    color:rgb(62, 111, 19)  
}
```

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(62, 111, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 111, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 53.216, 127.539 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(62, 111, 19) }
```

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

```
.border{ border-color:rgb(62, 111, 19) }
```

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

Here you see how a box with a 4 pixel rgb(62, 111, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 111, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 111, 19);  
box-shadow:4px 4px 4px 4px rgb(62, 111,  
19) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 53.216, 127.539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 111, 19) }
```

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

```
.background{ background-color: rgb(62, 111,  
19) }
```

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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