

Converting Colors

CIELCh(53, 46.427, 90.164)

Have a look what the booklet for
CIELCh(53, 46.427, 90.164) contains.

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Color

CIELCh(53, 46.487, 90.729)

Conversions

Conversions Part 1

Format	Color
Hex	947D2A
RGB	148, 125, 42
RGB Percent	58%, 49%, 16%
CMY	0.4206, 0.5107, 0.8362
CMYK	0.00, 0.16, 0.72, 0.42
HSL	47°, 56%, 37%
HSV	47°, 72%, 58%
XYZ	19.8847, 21.0462, 5.1828
YIQ	122.4150, 40.3510, -20.9370

Conversions

Conversions Part 2

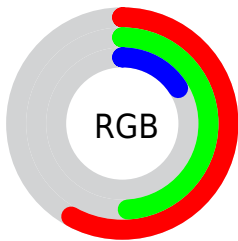
Format	Color
R_{YB}	71, 148, 42
Decimal	9731370
CIE _{Lab}	53.00, -0.59, 46.48
CIE _{LCh}	53, 46.487, 90.729
Yxy	21.0462, 0.4312, 0.4564
Android (android.graphics.Color)	4287921450 (0xFF947D2A)
YUV	122.4150, -39.6446, 22.4380
Hunter-Lab	45.8761, -2.9137, 25.4150

Details

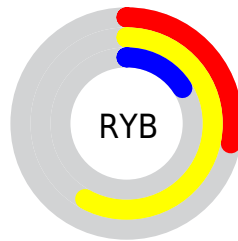
The CIELCh color $53, 46.487, 90.729$ is a dark color, and the websafe version is hex 666600 . A complement of this color would be $30, 52.656, 293.241$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 46.185, 90.368$, and $33, 41.798, 90.489$ is the 20% darker color. If you saturate the color by 10%, you get $52, 51.283, 89.402$, and if you desaturate by 10%, it is $54, 40.744, 92.011$.

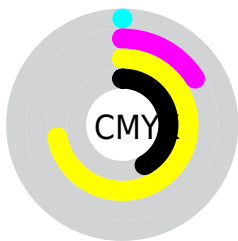
Distribution



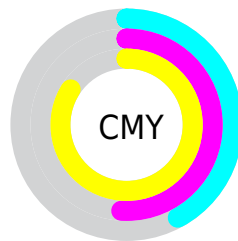
- Red (58%)
- Green (49%)
- Blue (16%)



- Red (28%)
- Yellow (58%)
- Blue (16%)



- Cyan (0%)
- Magenta (16%)
- Yellow (72%)
- Black (42%)



- Cyan (42%)
- Magenta (51%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 46.487, 90.729 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 53, 46.487, 90.729 by changing the saturation by 10% instead.

■ 53, 46.487, 90.729

■ 53, 46.487, 90.729

■ 100, 46.487,
90.729

■ 43, 46.487, 90.729

■ 73, 46.487, 90.729

■ 33, 46.487, 90.729

■ 83, 46.487, 90.729

■ 23, 46.487, 90.729

■ 93, 46.487, 90.729

■ 13, 46.487, 90.729

■ 3, 46.487, 90.729

■ 0, 46.487, 90.729

■ 53, 46.487, 90.729

■ 53, 46.487, 90.729

■ 52, 51.283, 89.402

■ 54, 40.744, 92.011

■ 51, 54.630, 87.971

■ 55, 34.455, 93.264

50, 56.568, 86.735

56, 27.885, 94.497

57, 21.193, 95.709

59, 14.474, 96.896

60, 7.778, 98.047

61, 1.135, 99.070

62, 5.442, 280.295

64, 11.946,
281.321

Harmonies

Complementary

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



53, 46.487, 90.729



30, 52.656, 293.241

Rectangle

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



53, 46.487, 90.729



53, 46.487, 140.729



53, 46.487, 270.729



53, 46.487, 320.729

Sweetspot

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



53, 46.487, 90.732



74, 18.091, 96.812



35, 47.009, 13.230



39, 12.262, 96.527



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



53, 46.487, 90.732



66, 64.727, 88.560



57, 56.115, 116.940



31, 3.744, 98.330



47, 53.770, 86.853



2, 3.271, 99.374

Inverse Universe

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



30, 52.656, 293.241



33, 79.576, 298.013



27, 67.046, 306.638



29, 3.781, 280.478



19, 71.067, 301.191



1, 3.272, 279.379

Previews

White Background



This preview shows how the CIELCh color 53, 46.487, 90.729 looks on a white background.

Color Contrast Check

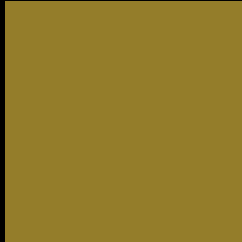
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 53, 46.487, 90.729 looks on a black 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

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

CIELCh 53, 46.487, 90.729

Background



This preview shows how black text looks on a background with the CIELCh color 53, 46.487, 90.729.



This preview shows how white text looks on a background with the CIELCh color 53, 46.487, 90.729.

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

53, 46.487, 90.729

Protanopia

53, 46.470, 95.515

Deuteranopia

53, 46.615, 81.527



Tritanopia
53, 15.966, 2.484

Trichromacy



Original Color
53, 46.487, 90.729

Protanomaly
53, 46.327, 93.701

Deuteranomaly
53, 46.229, 85.151

Tritanomaly
53, 20.493, 64.410

Monochromacy



Original Color
53, 46.487, 90.729

Achromatopsia
51, 0.007, 296.813

Achromatomaly
52, 17.653, 96.477

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 46.487, 90.729 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(148, 125, 42)` looks like.

```
.text, #text, p{  
    color:rgb(148, 125, 42)  
}
```

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(148, 125, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 125, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 46.487, 90.729 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(148, 125, 42) }
```

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

```
.border{ border-color:rgb(148, 125, 42) }
```

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

Here you see how a box with a 4 pixel rgb(148, 125, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 125, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 125, 42);  
box-shadow:4px 4px 4px 4px rgb(148, 125,  
42) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 46.487, 90.729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 125, 42) }
```

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

```
.background{ background-color: rgb(148,  
125, 42) }
```

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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