

Converting Colors

CIELCh(73, 51.279, 90.864)

Have a look what the booklet for
CIELCh(73, 51.279, 90.864) contains.

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Color

CIELCh(73, 51.446, 90.794)

Conversions

Conversions Part 1

Format	Color
Hex	CEB152
RGB	206, 177, 82
RGB Percent	81%, 69%, 32%
CMY	0.1922, 0.3059, 0.6785
CMYK	0.00, 0.14, 0.60, 0.19
HSL	46°, 56%, 56%
HSV	46°, 60%, 81%
XYZ	42.6885, 45.1644, 14.4465
YIQ	174.8410, 47.7790, -23.3970

Conversions

Conversions Part 2

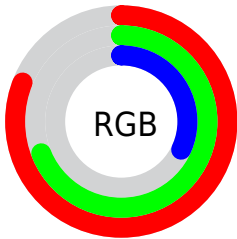
Format	Color
RYB	120, 206, 82
Decimal	13545810
CIELab	73.00, -0.71, 51.44
CIElCh	73, 51.446, 90.794
Yxy	45.1644, 0.4173, 0.4415
Android (android.graphics.Color)	4291735890 (0xFFCEB152)
YUV	174.8410, -45.7706, 27.3264
Hunter-Lab	67.2044, -4.2239, 34.2979

Details

The CIELCh color **73, 51.446, 90.794** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **49, 55.701, 289.505**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 49.983, 95.287**, and **53, 51.622, 90.816** is the 20% darker color. If you saturate the color by 10%, you get **72, 58.961, 89.442**, and if you desaturate by 10%, it is **74, 43.238, 92.114**.

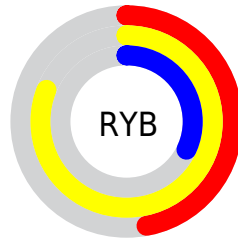
Distribution



Red (81%)

Green (69%)

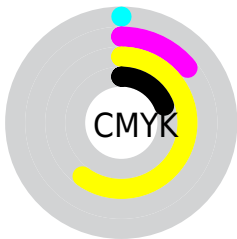
Blue (32%)



Red (47%)

Yellow (81%)

Blue (32%)

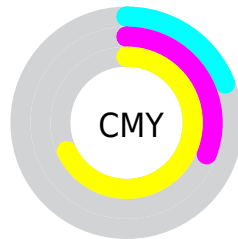


Cyan (0%)

Magenta (14%)

Yellow (60%)

Black (19%)



Cyan (19%)

Magenta (31%)

Yellow (68%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 51.446, 90.794 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 73, 51.446, 90.794 by changing the saturation by 10% instead.

 73, 51.446, 90.794

 73, 51.446, 90.794

 100, 51.446,
90.794

 63, 51.446, 90.794

 93, 51.446, 90.794

 53, 51.446, 90.794

 43, 51.446, 90.794

 33, 51.446, 90.794

 23, 51.446, 90.794

 13, 51.446, 90.794

 3, 51.446, 90.794

 0, 51.446, 90.794

 73, 51.446, 90.794

 73, 51.446, 90.794

72, 58.961, 89.442

74, 43.238, 92.114

70, 65.231, 88.014

76, 34.693, 93.404

69, 69.549, 86.447

78, 26.019, 94.668

68, 71.719, 84.726

79, 17.334, 95.900

81, 8.704, 97.091

83, 0.159, 97.136

85, 8.285, 279.412

86, 16.623,
280.471

88, 18.598,
276.926

Harmonies

Complementary

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



73, 51.446, 90.794



49, 55.701, 289.505

Rectangle

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



73, 51.446, 90.794



73, 51.446, 140.794



73, 51.446, 270.794



73, 51.446, 320.794

Sweetspot

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



73, 51.446, 90.797



96, 18.352, 96.139



52, 52.373, 8.886



51, 12.771, 95.782



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



73, 51.446, 90.797



86, 71.417, 89.066



78, 63.360, 116.423



42, 4.801, 97.184



55, 61.099, 85.049



11, 16.899, 88.960

Inverse Universe

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



49, 55.701, 289.505



53, 80.848, 293.237



44, 73.603, 305.253



40, 4.844, 279.465



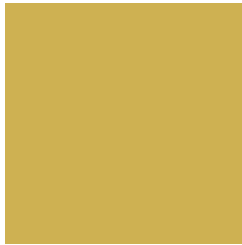
24, 80.918, 301.006



3, 19.776, 285.854

Previews

White Background



This preview shows how the CIELCh color 73, 51.446, 90.794 looks on a white background.

Color Contrast Check

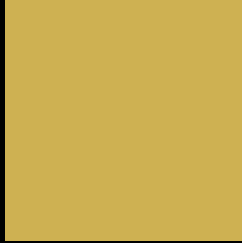
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 73, 51.446, 90.794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

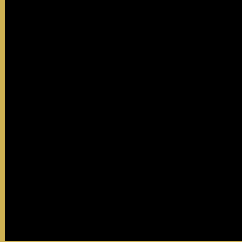
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 73, 51.446, 90.794

Background



This preview shows how black text looks on a background with the CIELCh color 73, 51.446, 90.794.

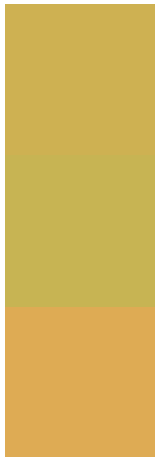


This preview shows how white text looks on a background with the CIELCh color 73, 51.446, 90.794.

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

73, 51.446, 90.794

Protanopia

73, 51.238, 95.811

Deuteranopia

73, 51.874, 79.574



Tritanopia
73, 19.101, 1.411

Trichromacy



Original Color
73, 51.446, 90.794

Protanomaly
73, 51.169, 93.801

Deuteranomaly
73, 51.506, 83.624

Tritanomaly
73, 22.199, 61.040

Monochromacy



Original Color
73, 51.446, 90.794

Achromatopsia
71, 0.009, 296.813

Achromatomaly
72, 19.360, 96.200

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 51.446, 90.794 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(206, 177, 82)` looks like.

```
.text, #text, p{  
    color:rgb(206, 177, 82)  
}
```

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(206, 177, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 177, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 51.446, 90.794 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(206, 177, 82) }
```

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

```
.border{ border-color:rgb(206, 177, 82) }
```

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

Here you see how a box with a 4 pixel rgb(206, 177, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 177, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 177, 82);  
box-shadow:4px 4px 4px 4px rgb(206, 177,  
82) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 51.446, 90.794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 177, 82) }
```

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

```
.background{ background-color: rgb(206,  
177, 82) }
```

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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