

Converting Colors

CIELCh(90, 49.509, 99.405)

Have a look what the booklet for
CIELCh(90, 49.509, 99.405) contains.

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Color

CIELCh(90, 49.478, 99.425)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | F2E483 |
| RGB | 242, 228, 131 |
| RGB Percent | 95%, 89%, 51% |
| CMY | 0.0494, 0.1043, 0.4848 |
| CMYK | 0.00, 0.06, 0.46, 0.05 |
| HSL | 52°, 82%, 73% |
| HSV | 52°, 46%, 95% |
| XYZ | 68.7338, 76.3034, 32.7103 |
| YIQ | 221.1280, 39.4810, -27.1990 |

Conversions

Conversions Part 2

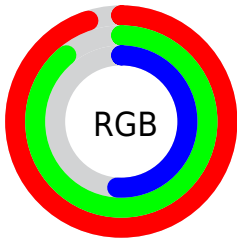
| Format | Color |
|-------------------------------------|--|
| RYB | 147, 242, 131 |
| Decimal | 15918211 |
| CIELab | 90.00, -8.10, 48.81 |
| CIELCh | 90, 49.478, 99.425 |
| Yxy | 76.3034, 0.3867, 0.4293 |
| Android (android.graphics.Color) | 4294108291 (0xFFFF2E483) |
| YUV | 221.1280, -44.4331, 18.3047 |
| Hunter-Lab | 87.3518, -12.4108, 38.9442 |

Details

The CIELCh color **90, 49.478, 99.425** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **63, 54.185, 291.603**, and the grayscale version is **88, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 34.689, 107.535**, and **70, 49.500, 99.526** is the 20% darker color. If you saturate the color by 10%, you get **89, 59.529, 98.319**, and if you desaturate by 10%, it is **91, 38.936, 100.552**.

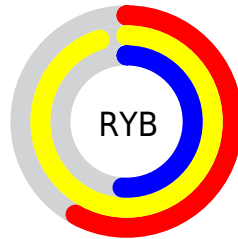
Distribution



Red (95%)

Green (89%)

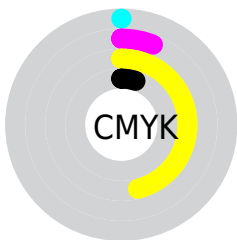
Blue (51%)



Red (58%)

Yellow (95%)

Blue (51%)

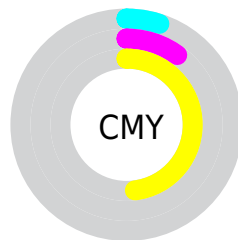


Cyan (0%)

Magenta (6%)

Yellow (46%)

Black (5%)



Cyan (5%)

Magenta (10%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 49.478, 99.425 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 90, 49.478, 99.425 by changing the saturation by 10% instead.

 90, 49.478, 99.425

 90, 49.478, 99.425

 100, 49.478,
99.425

 80, 49.478, 99.425

 70, 49.478, 99.425

 60, 49.478, 99.425

 50, 49.478, 99.425

 40, 49.478, 99.425

 30, 49.478, 99.425

 20, 49.478, 99.425

 10, 49.478, 99.425

 0, 49.478, 99.425

90, 49.478, 99.425

90, 49.478, 99.425

89, 59.529, 98.319

91, 38.936,
100.552

88, 68.700, 97.239

92, 28.141,
101.675

87, 76.419, 96.200

86, 81.978, 95.202

94, 17.240,
102.785

85, 84.804, 94.225

95, 6.318, 103.860

85, 85.405, 93.816

96, 4.574, 284.970

97, 4.456, 270.886

98, 3.650, 246.037

99, 3.751, 216.184

99, 4.342, 199.283

Harmonies

Complementary

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



90, 49.478, 99.425



63, 54.185, 291.603

Rectangle

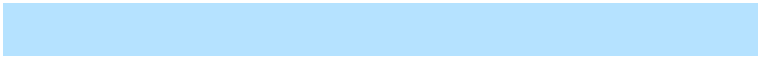
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 49.478, 99.425



90, 49.478, 149.425



90, 49.478, 279.425



90, 49.478, 329.425

Sweetspot

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



90, 49.479, 99.428



98, 15.907, 102.978



68, 45.279, 14.458



52, 10.984, 102.741



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



90, 49.479, 99.428



93, 61.193, 98.391



91, 57.779, 121.886



51, 6.242, 103.471



67, 70.141, 93.980



21, 29.871, 95.560

Inverse Universe

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



63, 54.185, 291.603



59, 69.029, 293.746



63, 63.228, 307.273



47, 6.345, 285.593



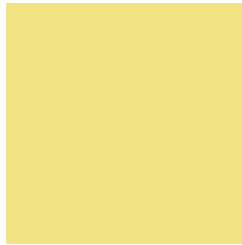
24, 98.915, 304.448



4, 36.412, 297.553

Previews

White Background



This preview shows how the CIELCh color 90, 49.478, 99.425 looks on a white background.

Color Contrast Check

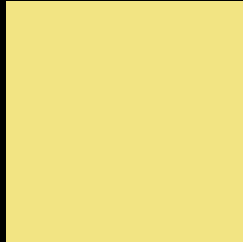
Large Text (above 18pt) WCAG AA × Fail

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 90, 49.478, 99.425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

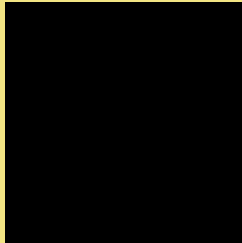
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 49.478, 99.425

Background



This preview shows how black text looks on a background with the CIELCh color 90, 49.478, 99.425.



This preview shows how white text looks on a background with the CIELCh color 90, 49.478, 99.425.

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

90, 49.478, 99.425

Protanopia

90, 49.141, 95.515

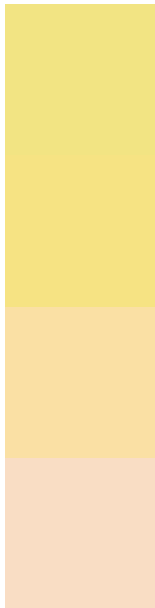
Deuteranopia

90, 24.296, 75.328



Tritanopia
90, 15.990, 347.181

Trichromacy



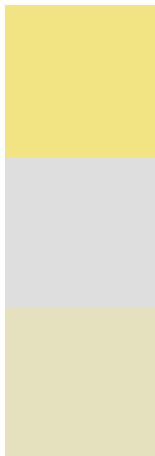
Original Color
90, 49.478, 99.425

Protanomaly
90, 49.348, 97.005

Deuteranomaly
90, 32.684, 89.099

Tritanomaly
90, 16.848, 69.719

Monochromacy



Original Color
90, 49.478, 99.425

Achromatopsia
88, 0.011, 296.813

Achromatomaly
89, 18.216, 102.670

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 49.478, 99.425 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(242, 228, 131)` looks like.

```
.text, #text, p{  
    color:rgb(242, 228, 131)  
}
```

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(242, 228, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 228, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 49.478, 99.425 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(242, 228, 131) }
```

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

```
.border{ border-color:rgb(242, 228, 131) }
```

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

Here you see how a box with a 4 pixel rgb(242, 228, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 228, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 228, 131);  
box-shadow:4px 4px 4px 4px rgb(242, 228,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 49.478, 99.425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 228, 131) }
```

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

```
.background{ background-color: rgb(242,  
228, 131) }
```

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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