

Converting Colors

CIELCh(78, 79.826, 93.270)

Have a look what the booklet for
CIELCh(78, 79.826, 93.270) contains.

CIELCh(78, 79.525, 93.149)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(78, 79.525, 93.149)

Conversions

Conversions Part 1

Format	Color
Hex	DEC000
RGB	222, 192, 0
RGB Percent	87%, 75%, 0%
CMY	0.1295, 0.2471, 1.0000
CMYK	0.00, 0.14, 1.00, 0.13
HSL	52°, 100%, 44%
HSV	52°, 100%, 87%
XYZ	48.9581, 53.2120, 7.6881
YIQ	179.0820, 79.5120, -53.3520

Conversions

Conversions Part 2

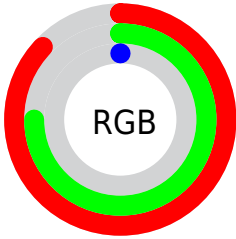
Format	Color
R _Y B	35, 222, 0
Decimal	14598144
CIE Lab	78.00, -4.37, 79.40
CIE LCh	78, 79.525, 93.149
Yxy	53.2120, 0.4456, 0.4844
Android (android.graphics.Color)	4292788224 (0xFFDEC000)
YUV	179.0820, -88.2874, 37.6391
Hunter-Lab	72.9466, -7.8563, 44.8138

Details

The CIELCh color **78, 79.525, 93.149** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed yellow. A complement of this color would be **30, 112.920, 304.469**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 77.911, 101.966**, and **58, 62.752, 92.843** is the 20% darker color. If you saturate the color by 10%, you get **78, 79.518, 93.151**, and if you desaturate by 10%, it is **79, 77.583, 94.186**.

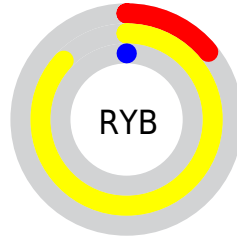
Distribution



Red (87%)

Green (75%)

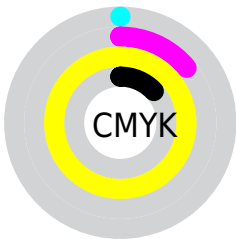
Blue (0%)



Red (14%)

Yellow (87%)

Blue (0%)

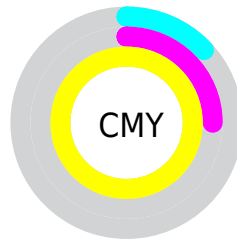


Cyan (0%)

Magenta (14%)

Yellow (100%)

Black (13%)



Cyan (13%)

Magenta (25%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 79.525, 93.149 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 78, 79.525, 93.149 by changing the saturation by 10% instead.

 78, 79.525, 93.149

 78, 79.525, 93.149

 100, 79.525,
93.149

 68, 79.525, 93.149

 98, 79.525, 93.149

 58, 79.525, 93.149

 48, 79.525, 93.149

 38, 79.525, 93.149

 28, 79.525, 93.149

 18, 79.525, 93.149

 8, 79.525, 93.149

 0, 79.525, 93.149

 78, 79.525, 93.149

 78, 79.525, 93.149

■ 78, 79.518, 93.151

■ 79, 77.583, 94.186

■ 80, 73.316, 95.216

■ 81, 66.817, 96.269

■ 82, 58.747, 97.356

■ 83, 49.696, 98.470

■ 84, 40.083, 99.600

■ 85, 30.175,
100.732

■ 86, 20.133,
101.854

■ 87, 10.052,
102.951

Harmonies

Complementary

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



78, 79.525, 93.149



30, 112.920, 304.469

Rectangle

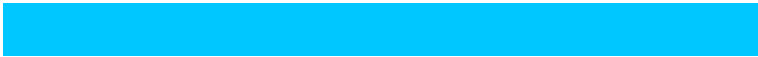
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78, 79.525, 93.149



78, 79.525, 143.149



78, 79.525, 273.149



78, 79.525, 323.149

Sweetspot

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



78, 79.518, 93.151



96, 33.767, 100.706



46, 87.087, 33.589



51, 23.010, 100.225



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 79.518, 93.151



88, 88.249, 93.067



81, 93.628, 122.392



47, 5.758, 103.010



63, 66.932, 93.318



17, 24.556, 95.707

Inverse Universe

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



30, 112.920, 304.469



35, 126.021, 304.611



32, 116.058, 308.917



44, 5.849, 285.129



23, 93.946, 304.169



3, 28.685, 292.897

Previews

White Background



This preview shows how the CIELCh color 78, 79.525, 93.149 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 78, 79.525, 93.149 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 78, 79.525, 93.149

Background



This preview shows how black text looks on a background with the CIELCh color 78, 79.525, 93.149.

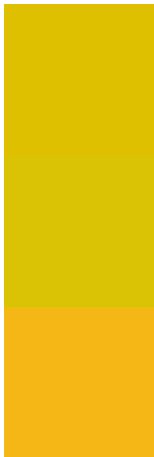


This preview shows how white text looks on a background with the CIELCh color 78, 79.525, 93.149.

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

78, 79.525, 93.149

Protanopia

78, 79.164, 95.137

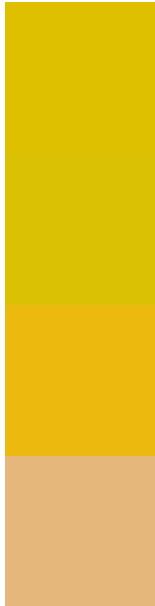
Deuteranopia

78, 78.365, 82.620



Tritanopia
78, 22.068, 1.692

Trichromacy



Original Color
78, 79.525, 93.149

Protanomaly
78, 79.203, 94.460

Deuteranomaly
78, 78.613, 86.388

Tritanomaly
77, 38.307, 76.369

Monochromacy



Original Color
78, 79.525, 93.149

Achromatopsia
73, 0.009, 296.813

Achromatomaly
74, 37.416, 99.424

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 79.525, 93.149 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(222, 192, 0)` looks like.

```
.text, #text, p{  
    color:rgb(222, 192, 0)  
}
```

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(222, 192, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 192, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 79.525, 93.149 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(222, 192, 0) }
```

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

```
.border{ border-color:rgb(222, 192, 0) }
```

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

Here you see how a box with a 4 pixel rgb(222, 192, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 192, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 192, 0);  
box-shadow:4px 4px 4px 4px rgb(222, 192,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 79.525, 93.149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 192, 0) }
```

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

```
.background{ background-color: rgb(222,  
192, 0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor