

Converting Colors

CIELCh(90, 77.560, 105.121)

Have a look what the booklet for
CIELCh(90, 77.560, 105.121)
contains.

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Color

CIELCh(90, 77.604, 105.115)

Conversions

Conversions Part 1

Format	Color
Hex	E6EA45
RGB	230, 234, 69
RGB Percent	90%, 92%, 27%
CMY	0.0969, 0.0813, 0.7283
CMYK	0.02, 0.00, 0.70, 0.08
HSL	61°, 80%, 60%
HSV	61°, 70%, 92%
XYZ	63.3083, 76.3034, 17.0688
YIQ	213.9940, 50.5810, -52.1630

Conversions

Conversions Part 2

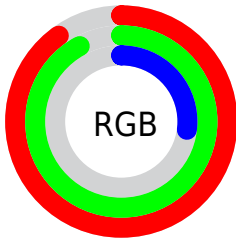
Format	Color
RYB	69, 234, 73
Decimal	15133253
CIELab	90.00, -20.24, 74.92
CIELCh	90, 77.604, 105.115
Yxy	76.3034, 0.4041, 0.4870
Android (android.graphics.Color)	4293323333 (0xFFE6EA45)
YUV	213.9940, -71.4820, 14.0373
Hunter-Lab	87.3518, -23.4975, 49.5608

Details

The CIELCh color **90, 77.604, 105.115** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **41, 97.257, 302.354**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 62.662, 105.382**, and **70, 74.424, 105.606** is the 20% darker color. If you saturate the color by 10%, you get **90, 84.444, 104.656**, and if you desaturate by 10%, it is **90, 68.856, 105.757**.

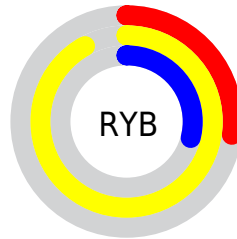
Distribution



Red (90%)

Green (92%)

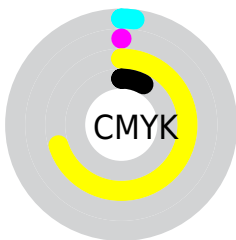
Blue (27%)



Red (27%)

Yellow (92%)

Blue (29%)

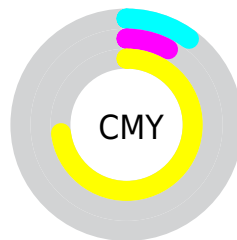


Cyan (2%)

Magenta (0%)

Yellow (70%)

Black (8%)



Cyan (10%)


Magenta (8%)


Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 77.604, 105.115 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, 77.604, 105.115 by changing the saturation by 10% instead.


 90, 77.604,
105.115


 90, 77.604,
105.115


 100, 77.604,
105.115


 80, 77.604,
105.115

 70, 77.604,
105.115

 60, 77.604,
105.115


 50, 77.604,
105.115

 40, 77.604,
105.115


 30, 77.604,
105.115


 20, 77.604,


105.115


 10, 77.604,
105.115


 0, 77.604, 105.115


 90, 77.604,
105.115


 90, 77.604,
105.115


 90, 84.444,
104.656


 90, 68.856,
105.757

 90, 88.866,
104.413

 90, 58.773,
106.526

 90, 90.940,
104.372

 91, 47.823,
107.383

 91, 36.338,
108.291

■ 92, 24.536,
109.224

■ 92, 12.559,
110.159

■ 93, 0.498, 110.967

■ 93, 10.702,
292.014

■ 93, 10.710,
293.050

Harmonies

Complementary

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



90, 77.604, 105.115



41, 97.257, 302.354

Rectangle

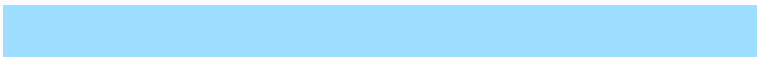
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 77.604, 105.115



90, 77.604, 155.115



90, 77.604, 285.115



90, 77.604, 335.115

Sweetspot

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



90, 77.604, 105.117



99, 27.018, 109.160



55, 72.513, 31.451



53, 18.262, 108.900



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, 77.604, 105.117



97, 92.724, 104.507



85, 85.240, 126.883



49, 6.855, 110.248



71, 74.977, 104.348



21, 30.653, 104.813

Inverse Universe

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



41, 97.257, 302.354



36, 123.617, 305.033



48, 94.388, 312.917



45, 7.009, 292.075



21, 103.350, 306.360



2, 35.783, 298.324

Previews

White Background



This preview shows how the CIELCh color 90, 77.604, 105.115 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, 77.604, 105.115 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, 77.604, 105.115

Background



This preview shows how black text looks on a background with the CIELCh color 90, 77.604, 105.115.



This preview shows how white text looks on a background with the CIELCh color 90, 77.604, 105.115.

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, 77.604, 105.115

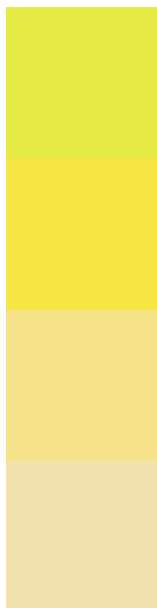
Protanopia
90, 76.670, 95.532

Deuteranopia
90, 27.459, 78.933



Tritanopia
90, 12.846, 336.950

Trichromacy



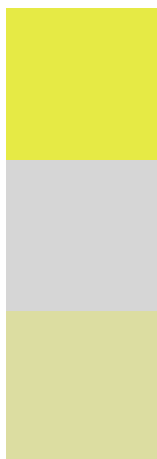
Original Color
90, 77.604, 105.115

Protanomaly
90, 76.789, 99.108

Deuteranomaly
90, 46.107, 96.160

Tritanomaly
90, 26.471, 95.230

Monochromacy



Original Color
90, 77.604, 105.115

Achromatopsia
86, 0.010, 296.813

Achromatomaly
87, 30.998, 108.275

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 77.604, 105.115 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(230, 234, 69)` looks like.

```
.text, #text, p{  
    color:rgb(230, 234, 69)  
}
```

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(230, 234, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 234, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 77.604, 105.115 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(230, 234, 69) }
```

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

```
.border{ border-color:rgb(230, 234, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 234, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 234, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 234, 69);  
box-shadow:4px 4px 4px 4px rgb(230, 234,  
69) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 77.604, 105.115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 234, 69) }
```

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

```
.background{ background-color: rgb(230,  
234, 69) }
```

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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