

Converting Colors

CIELCh(90, 72.895, 155.160)

Have a look what the booklet for
CIELCh(90, 72.895, 155.160)
contains.

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Color

CIELCh(90, 72.269, 155.396)

Conversions

Conversions Part 1

Format	Color
Hex	46FFA6
RGB	70, 255, 166
RGB Percent	27%, 100%, 65%
CMY	0.7268, 0.0000, 0.3488
CMYK	0.73, 0.00, 0.35, 0.00
HSL	151°, 100%, 64%
HSV	151°, 73%, 100%
XYZ	45.5186, 76.3034, 48.4317
YIQ	189.5390, -81.6910, -66.8990

Conversions

Conversions Part 2

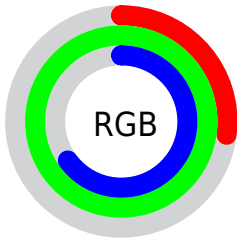
Format	Color
R_{YB}	70, 192, 255
Decimal	4652966
CIE _{Lab}	90.00, -65.71, 30.09
CIE _{LCh}	90, 72.269, 155.396
Yxy	76.3034, 0.2674, 0.4482
Android (android.graphics.Color)	4282843046 (0xFF46FFA6)
YUV	189.5390, -11.6047, -104.8357
Hunter-Lab	87.3518, -59.8502, 28.2732

Details

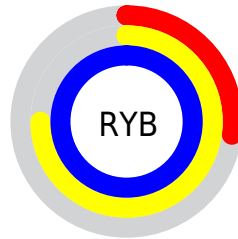
The CIELCh color **90, 72.269, 155.396** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **60, 75.476, 354.999**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 40.513, 171.936**, and **70, 67.854, 153.053** is the 20% darker color. If you saturate the color by 10%, you get **89, 78.522, 153.586**, and if you desaturate by 10%, it is **90, 63.846, 157.382**.

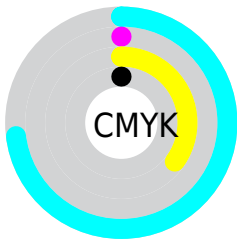
Distribution



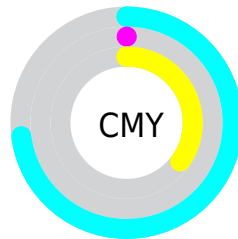
- Red (27%)
- Green (100%)
- Blue (65%)



- Red (27%)
- Yellow (75%)
- Blue (100%)



- Cyan (73%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)





- Cyan (73%)
- Magenta (0%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 72.269, 155.396 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, 72.269, 155.396 by changing the saturation by 10% instead.


 90, 72.269,
155.396


 90, 72.269,
155.396

 100, 72.269,
155.396


 80, 72.269,
155.396

 70, 72.269,
155.396

 60, 72.269,
155.396


 50, 72.269,
155.396

 40, 72.269,
155.396


 30, 72.269,
155.396


 20, 72.269,

155.396


 10, 72.269,
155.396

 0, 72.269, 155.396


 90, 72.269,
155.396


 90, 72.269,
155.396


 89, 78.522,
153.586

 90, 63.846,
157.382

 89, 84.335,
151.372

 91, 55.059,
158.962

 89, 88.074,
149.683

 93, 45.482,
160.356

 94, 35.297,
161.588

■ 96, 24.695,
162.686

■ 97, 13.852,
163.678

■ 99, 2.921, 164.694

100, 0.012,
296.813

Harmonies

Complementary

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



90, 72.269, 155.396



60, 75.476, 354.999

Rectangle

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



90, 72.269, 155.396



90, 72.269, 205.396



90, 72.269, 335.396



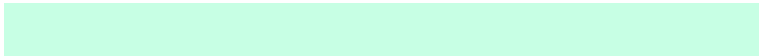
90, 72.269, 25.396

Sweetspot

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



90, 71.695, 155.593



96, 23.962, 162.756



91, 93.383, 126.902



51, 16.075, 162.472



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, 71.695, 155.593



89, 81.152, 152.653



91, 45.300, 198.709



52, 6.211, 163.980



68, 70.317, 150.117



23, 30.359, 153.353

Inverse Universe

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



60, 75.476, 354.999



56, 82.218, 359.456



58, 80.379, 32.280



50, 6.298, 345.519



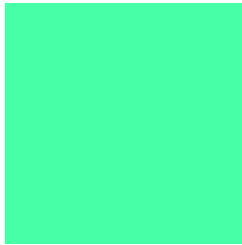
41, 68.079, 4.041



10, 31.693, 358.131

Previews

White Background



This preview shows how the CIE LCh color 90, 72.269, 155.396 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, 72.269, 155.396 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

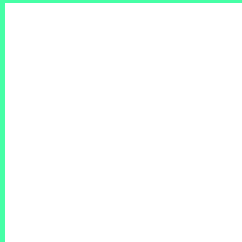
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 72.269, 155.396

Background



This preview shows how black text looks on a background with the CIELCh color 90, 72.269, 155.396.

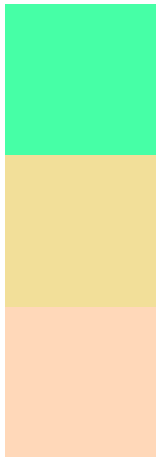


This preview shows how white text looks on a background with the CIELCh color 90, 72.269, 155.396.

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, 71.680, 155.556

Protanopia
89, 36.838, 95.161

Deuteranopia
89, 22.292, 65.846



Tritanopia
89, 29.247, 214.405

Trichromacy



Original Color
90, 71.680, 155.556



Protanomaly
88, 44.896, 134.955



Deuteranomaly
87, 31.248, 137.889

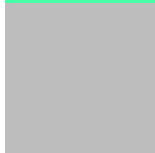


Tritanomaly
89, 40.757, 180.357

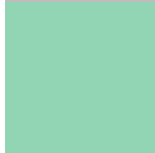
Monochromacy



Original Color
90, 71.680, 155.556



Achromatopsia
77, 0.009, 296.813



Achromatomaly
80, 29.351, 161.888

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 72.269, 155.396 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(70, 255, 166)` looks like.

```
.text, #text, p{  
    color:rgb(70, 255, 166)  
}
```

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(70, 255, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 255, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 72.269, 155.396 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(70, 255, 166) }
```

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

```
.border{ border-color:rgb(70, 255, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 255, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 255, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 255, 166);  
box-shadow:4px 4px 4px 4px rgb(70, 255,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 72.269, 155.396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 255, 166) }
```

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

```
.background{ background-color: rgb(70, 255,  
166) }
```

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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