

Converting Colors

XYZ(76.6343, 100.0000,
57.4089)

Have a look what the booklet for
XYZ(76.6343, 100.0000, 57.4089)
contains.

XYZ(70.9473, 88.7314, 55.5070)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(70.9473, 88.7314,
55.5070)**

Conversions

Conversions Part 1

Format	Color
Hex	D4FFB2
RGB	212, 255, 178
RGB Percent	83%, 100%, 70%
CMY	0.1686, 0.0000, 0.3020
CMYK	0.17, 0.00, 0.30, 0.00
HSL	94°, 100%, 85%
HSV	94°, 30%, 100%
XYZ	70.9473, 88.7314, 55.5070
YIQ	233.3650, -0.9110, -33.0630

Conversions

Conversions Part 2

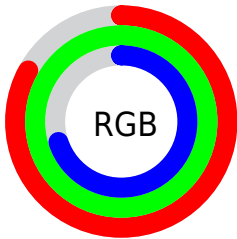
Format	Color
RYB	178, 255, 221
Decimal	13959090
CIELab	95.47, -26.90, 32.42
CIELCh	95, 42.128, 129.691
Yxy	88.7314, 0.3297, 0.4123
Android (android.graphics.Color)	4292149170 (0xFFD4FFB2)
YUV	233.3650, -27.2949, -18.7371
Hunter-Lab	94.1973, -30.4032, 31.0007

Details

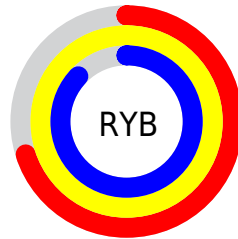
The XYZ color **70.9473, 88.7314, 55.5070** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **63.7901, 54.4341, 101.7525**, and the grayscale version is **77.9265, 81.9847, 89.2814**.

A 20% lighter version of the original color is **91.8513, 98.7205, 92.0558**, and **37.6061, 48.9368, 26.8657** is the 20% darker color. If you saturate the color by 10%, you get **64.6944, 85.7767, 43.0688**, and if you desaturate by 10%, it is **78.0392, 92.0636, 70.4713**.

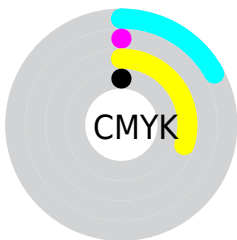
Distribution



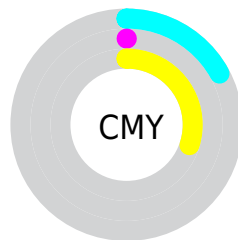
- Red (83%)
- Green (100%)
- Blue (70%)



- Red (70%)
- Yellow (100%)
- Blue (87%)



- Cyan (17%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)



- Cyan (17%)
- Magenta (0%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.9473, 88.7314, 55.5070 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 XYZ color 70.9473, 88.7314, 55.5070 by changing the saturation by 10% instead.


 70.9473, 88.7314,
55.5070

 70.9473, 88.7314,
55.5070


453.0839,
523.8955, 425.1669

 52.5816, 66.9290,
39.4065


 119.5776,
145.5750, 99.7620

 37.6950, 49.0269,
26.7658


150.5729,
181.3849, 128.7535

 25.9222, 34.6408,
17.1665


186.5087,
222.6328, 162.8791

 16.8978, 23.3863,
10.1901

227.7505,
269.7031, 202.5573

 10.2565, 14.8790,
5.4179

274.6636,
322.9801, 248.2066

 5.6329, 8.7345,
2.4315

327.6132,

 2.6617, 4.5684,

382.8482, 300.2456

0.8035

386.9649,
449.6919, 359.0929

■ 0.9775, 1.9963,
0.0000

■ 0.0000, 0.6053,
0.0000

■ 70.9473, 88.7314,
55.5070

■ 70.9473, 88.7314,
55.5070

■ 64.6944, 85.7767,
43.0688

■ 78.0392, 92.0636,
70.4713

■ 59.2433, 83.1835,
33.0131

■ 86.0021, 95.7870,
88.0864

■ 54.5559, 80.9355,
25.1881

94.8678, 99.9153,
108.4738

■ 50.5897, 79.0143,
19.4228

95.0500, 100.0000,
108.9000

■ 47.2970, 77.3998,
15.5216

■ 44.6223, 76.0684,
13.2507

■ 42.5182, 75.0040,
12.2363

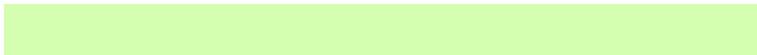
Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.6571, 88.7314, 46.5438



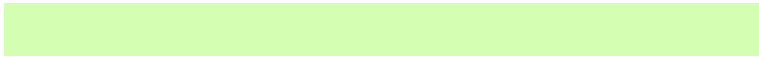
70.9473, 88.7314, 55.5070



65.1954, 88.7314, 76.1970

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.9473, 88.7314, 55.5070



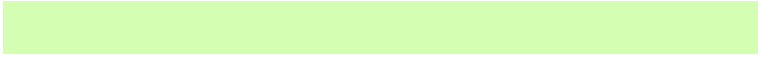
76.8687, 88.7314, 169.2857



108.1485, 88.7314, 86.3084

Complementary

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



70.9473, 88.7314, 55.5070



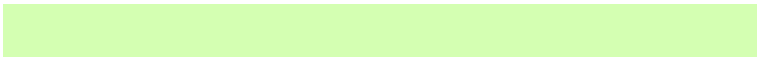
63.7901, 54.4341, 101.7525

Split Complementary

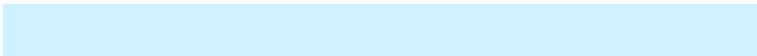
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



106.8992, 88.7314, 120.3852



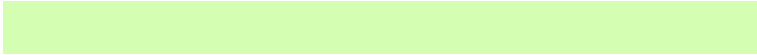
70.9473, 88.7314, 55.5070



88.1262, 88.7314, 173.7472

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



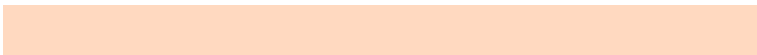
70.9473, 88.7314, 55.5070



68.3917, 88.7314, 143.1342



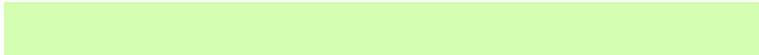
99.3125, 88.7314, 154.2127



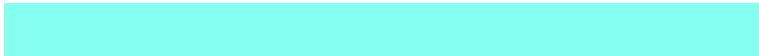
102.5849, 88.7314, 61.4531

Rectangle

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



70.9473, 88.7314, 55.5070



64.0410, 88.7314, 96.2710



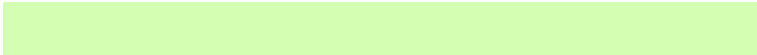
99.3125, 88.7314, 154.2127



108.5222, 88.7314, 96.9566

Sweetspot

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



70.9478, 88.7316, 55.5083



87.0136, 96.2588, 90.3749



74.9616, 75.8453, 52.8095



18.3613, 20.4806, 18.7488



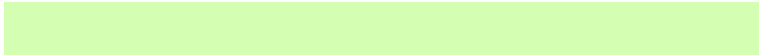
0.0000, 0.0000, 0.0000



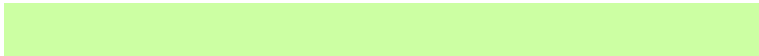
20.3446, 21.4041, 23.3091

Same Dimension

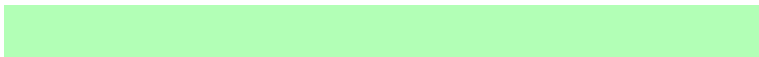
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.9478, 88.7316, 55.5083



67.2179, 86.9714, 47.9888



62.5489, 84.3566, 57.1617



18.5328, 20.5606, 19.1361



22.3817, 39.2763, 6.4014



2.3023, 3.8876, 0.6290

Inverse Universe

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



63.7901, 54.4341, 101.7525



59.0503, 47.8517, 100.7318



74.5971, 60.0763, 99.0551



17.9734, 17.8780, 22.7535



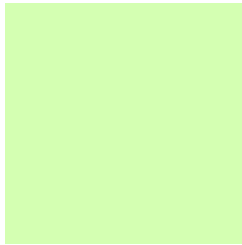
15.4713, 6.8862, 49.9483



1.6320, 0.7353, 4.8692

Previews

White Background



This preview shows how the XYZ color 70.9473, 88.7314, 55.5070 looks on a white background.

Color Contrast Check

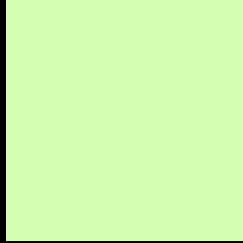
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 70.9473, 88.7314, 55.5070 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

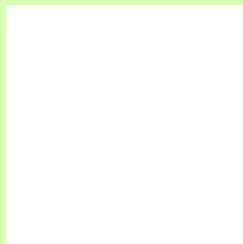
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.9473, 88.7314, 55.5070

Background



This preview shows how black text looks on a background with the XYZ color 70.9473, 88.7314, 55.5070.

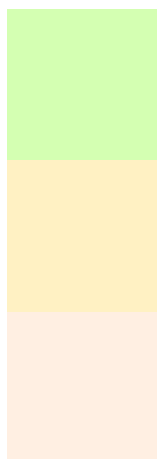


This preview shows how white text looks on a background with the XYZ color 70.9473, 88.7314,

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

70.9473, 88.7314, 55.5070

Protanopia

82.5456, 88.1107, 64.2862

Deuteranopia

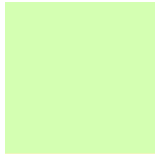
85.8340, 88.4840, 84.5067



Tritanopia

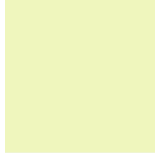
83.3793, 88.4770, 107.2909

Trichromacy



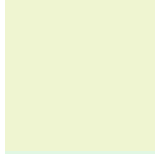
Original Color

70.9473, 88.7314, 55.5070



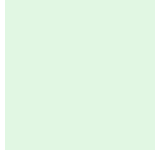
Protanomaly

77.7377, 87.9364, 61.0203



Deuteranomaly

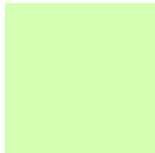
79.7576, 88.2590, 73.1536



Tritanomaly

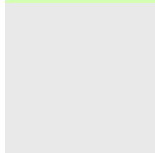
78.1772, 88.0751, 85.5529

Monochromacy



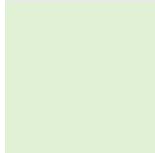
Original Color

70.9473, 88.7314, 55.5070



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

74.5169, 83.7222, 75.1833

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.9473, 88.7314, 55.5070 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(212, 255, 178)` looks like.

```
.text, #text, p{  
    color:rgb(212, 255, 178)  
}
```

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(212, 255, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 255, 178) }
```

Border

The CSS property to change the border of an element to XYZ 70.9473, 88.7314, 55.5070 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(212, 255, 178) }
```


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

```
.border{ border-color:rgb(212, 255, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 255, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 255, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 255, 178);  
box-shadow:4px 4px 4px 4px rgb(212, 255,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 70.9473, 88.7314, 55.5070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 255, 178) }
```

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

```
.background{ background-color: rgb(212,  
255, 178) }
```

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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