

Converting Colors

XYZ(70.3391, 88.4703, 53.1076)

Have a look what the booklet for
XYZ(70.3391, 88.4703, 53.1076)
contains.

XYZ(70.1668, 88.3860, 52.8972)	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(70.1668, 88.3860,
52.8972)**

Conversions

Conversions Part 1

Format	Color
Hex	D3FFAD
RGB	211, 255, 173
RGB Percent	83%, 100%, 68%
CMY	0.1725, 0.0000, 0.3216
CMYK	0.17, 0.00, 0.32, 0.00
HSL	92°, 100%, 84%
HSV	92°, 32%, 100%
XYZ	70.1668, 88.3860, 52.8972
YIQ	232.4960, 0.0980, -34.8300

Conversions

Conversions Part 2

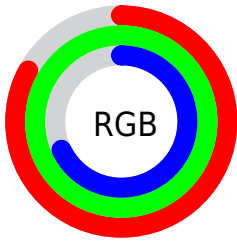
Format	Color
RYB	173, 255, 217
Decimal	13893549
CIELab	95.32, -27.95, 34.71
CIELCh	95, 44.566, 128.841
Yxy	88.3860, 0.3318, 0.4180
Android (android.graphics.Color)	4292083629 (0xFFD3FFAD)
YUV	232.4960, -29.3315, -18.8520
Hunter-Lab	94.0138, -31.3015, 32.4500

Details

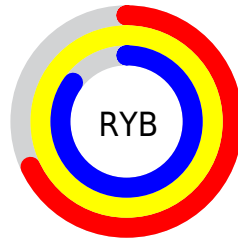
The XYZ color **70.1668, 88.3860, 52.8972** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **61.6099, 51.8601, 101.3706**, and the grayscale version is **77.2861, 81.3110, 88.5477**.

A 20% lighter version of the original color is **91.1429, 98.4371, 88.3253**, and **37.1018, 48.7128, 25.2163** is the 20% darker color. If you saturate the color by 10%, you get **64.1752, 85.5556, 40.9425**, and if you desaturate by 10%, it is **76.9640, 91.5772, 67.3503**.

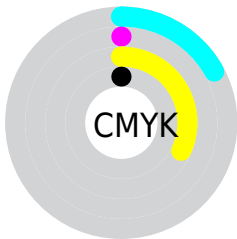
Distribution



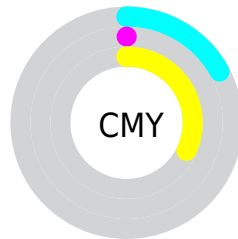
- Red (83%)
- Green (100%)
- Blue (68%)



- Red (68%)
- Yellow (100%)
- Blue (85%)



- Cyan (17%)
- Magenta (0%)
- Yellow (32%)
- Black (0%)





- Cyan (17%)
- Magenta (0%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.1668, 88.3860, 52.8972 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 70.1668, 88.3860, 52.8972 by changing the saturation by 10% instead.


 70.1668, 88.3860,
52.8972

 70.1668, 88.3860,
52.8972


450.3927,
522.7665, 414.9457

 51.9426, 66.6428,
37.3335


 118.4716,
145.0944, 95.8931

 37.1834, 48.7944,
25.1680


149.2829,
180.8284, 124.1624

 25.5239, 34.4564,
15.9821


185.0206,
221.9948, 157.5041

 16.5986, 23.2444,
9.3573

226.0500,
268.9780, 196.3365

 10.0422, 14.7741,
4.8750

272.7366,
322.1624, 241.0784

 5.4895, 8.6610,
2.1166

325.4457,

 2.5749, 4.5207,

381.9323, 292.1482

0.6256

384.5426,
448.6722, 349.9644

■ 0.9332, 1.9689,
0.0000

■ 0.0000, 0.5893,
0.0000

■ 70.1668, 88.3860,
52.8972

■ 70.1668, 88.3860,
52.8972

■ 64.1752, 85.5556,
40.9425

■ 76.9640, 91.5772,
67.3503

■ 58.9527, 83.0705,
31.3403

■ 84.5981, 95.1427,
84.4284

■ 54.4616, 80.9144,
23.9357

■ 93.1004, 99.0958,
104.2545

■ 50.6597, 79.0697,
18.5536

■ 95.0500, 100.0000,
108.9000

■ 47.4994, 77.5160,
14.9923

■ 44.9246, 76.2300,
13.0080

■ 43.2541, 75.3834,
12.2707

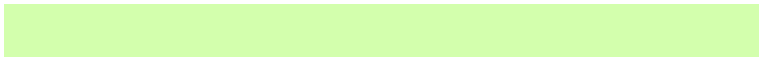
Harmonies

Analogous

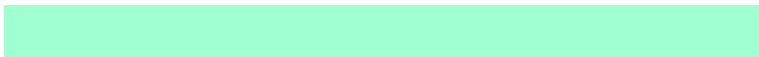
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.4619, 88.3860, 44.0329



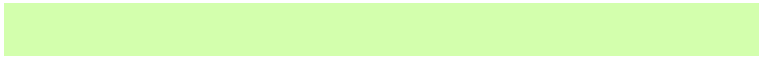
70.1668, 88.3860, 52.8972



64.0154, 88.3860, 74.0113

Triad

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



70.1668, 88.3860, 52.8972



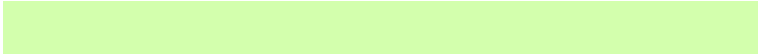
75.8393, 88.3860, 173.2679



109.3247, 88.3860, 86.2979

Complementary

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



70.1668, 88.3860, 52.8972



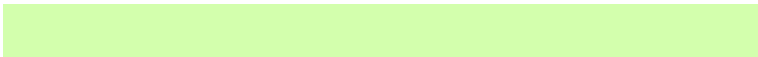
61.6099, 51.8601, 101.3706

Split Complementary

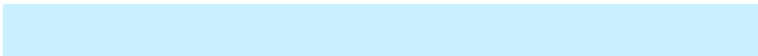
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



107.7825, 88.3860, 122.5194



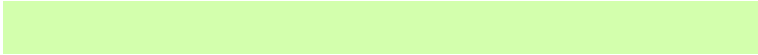
70.1668, 88.3860, 52.8972



87.6572, 88.3860, 178.8365

Square

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



70.1668, 88.3860, 52.8972



67.0638, 88.3860, 144.6988



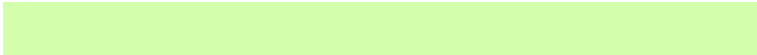
99.5598, 88.3860, 158.4633



103.5905, 88.3860, 60.0202

Rectangle

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



70.1668, 88.3860, 52.8972



62.7118, 88.3860, 94.8875



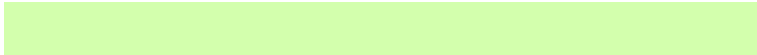
99.5598, 88.3860, 158.4633



109.6508, 88.3860, 97.5999

Sweetspot

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



70.1672, 88.3862, 52.8985



86.3567, 95.9617, 88.4663



73.5276, 73.7662, 49.8994



18.2375, 20.4250, 18.3689



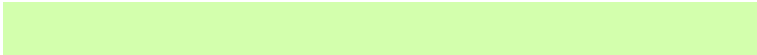
0.0000, 0.0000, 0.0000



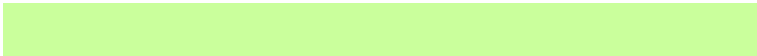
20.3446, 21.4041, 23.3091

Same Dimension

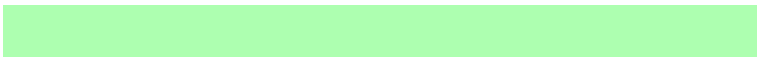
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.1672, 88.3862, 52.8985



65.9814, 86.4109, 44.4545



60.8045, 83.5287, 53.8553



18.5716, 20.5806, 19.1380



22.7694, 39.4762, 6.4196



2.3415, 3.9078, 0.6309

Inverse Universe

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



61.6099, 51.8601, 101.3706



56.1333, 44.3890, 100.2171



73.7971, 58.1933, 99.6602



17.9340, 17.8577, 22.7516



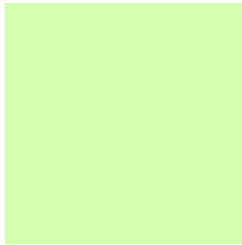
14.9820, 6.6340, 49.9254



1.5849, 0.7110, 4.8670

Previews

White Background



This preview shows how the XYZ color 70.1668, 88.3860, 52.8972 looks on a white background.

Color Contrast Check

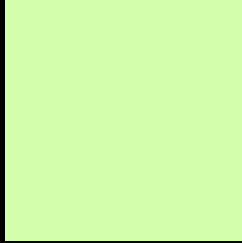
Large Text (above 18pt) WCAG AA × Fail

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 70.1668, 88.3860, 52.8972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

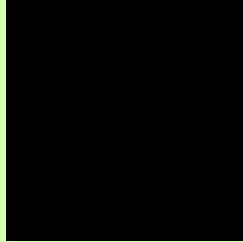
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

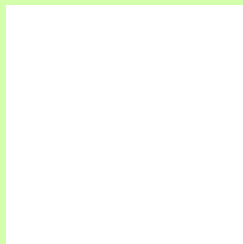
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.1668, 88.3860, 52.8972

Background



This preview shows how black text looks on a background with the XYZ color 70.1668, 88.3860, 52.8972.

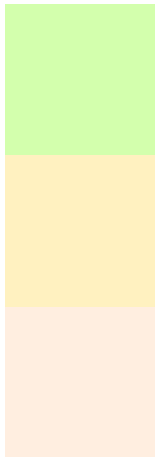


This preview shows how white text looks on a background with the XYZ color 70.1668, 88.3860,

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

70.1668, 88.3860, 52.8972

Protanopia

82.2097, 87.9764, 62.5174

Deuteranopia

85.2691, 87.7909, 82.9722



Tritanopia

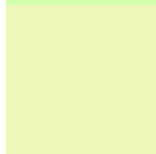
83.0556, 88.3101, 107.2758

Trichromacy



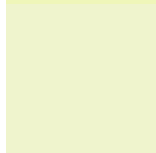
Original Color

70.1668, 88.3860, 52.8972



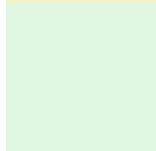
Protanomaly

77.3093, 87.7650, 58.7647



Deuteranomaly

78.9667, 87.4599, 70.4771



Tritanomaly

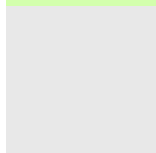
77.5918, 87.8051, 84.0927

Monochromacy



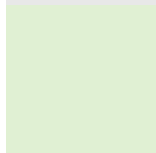
Original Color

70.1668, 88.3860, 52.8972



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

73.6584, 82.8706, 73.7414

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.1668, 88.3860, 52.8972 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(211, 255, 173)` looks like.

```
.text, #text, p{  
    color:rgb(211, 255, 173)  
}
```

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(211, 255, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 255, 173) }
```

Border

The CSS property to change the border of an element to XYZ 70.1668, 88.3860, 52.8972 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(211, 255, 173) }
```


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

```
.border{ border-color:rgb(211, 255, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 255, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 255, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 255, 173);  
box-shadow:4px 4px 4px 4px rgb(211, 255,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 70.1668, 88.3860, 52.8972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 255, 173) }
```

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

```
.background{ background-color: rgb(211,  
255, 173) }
```

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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