

Converting Colors

XYZ(70.2829, 92.3302, 53.6247)

Have a look what the booklet for
XYZ(70.2829, 92.3302, 53.6247)
contains.

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Color

**XYZ(67.6599, 87.0937,
52.7799)**

Conversions

Conversions Part 1

Format	Color
Hex	CAFFAD
RGB	202, 255, 173
RGB Percent	79%, 100%, 68%
CMY	0.2078, 0.0000, 0.3216
CMYK	0.21, 0.00, 0.32, 0.00
HSL	99°, 100%, 84%
HSV	99°, 32%, 100%
XYZ	67.6599, 87.0937, 52.7799
YIQ	229.8050, -5.2660, -36.7380

Conversions

Conversions Part 2

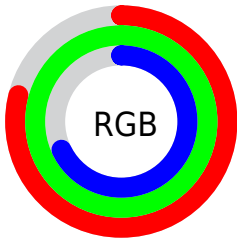
Format	Color
RYB	173, 255, 226
Decimal	13303725
CIELab	94.78, -31.05, 33.89
CIELCh	95, 45.960, 132.494
Yxy	87.0937, 0.3260, 0.4197
Android (android.graphics.Color)	4291493805 (0xFFCAFFAD)
YUV	229.8050, -28.0049, -24.3850
Hunter-Lab	93.3240, -33.9045, 31.7950

Details

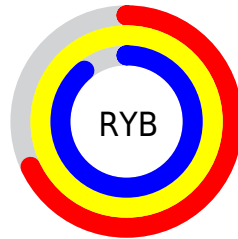
The XYZ color **67.6599, 87.0937, 52.7799** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **64.3588, 53.2772, 101.4992**, and the grayscale version is **75.2724, 79.1924, 86.2405**.

A 20% lighter version of the original color is **91.1429, 98.4371, 88.3253**, and **35.6169, 47.9473, 25.1468** is the 20% darker color. If you saturate the color by 10%, you get **61.1989, 84.0213, 40.8032**, and if you desaturate by 10%, it is **75.0691, 90.6004, 67.2616**.

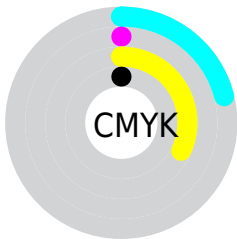
Distribution



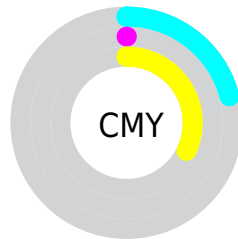
- Red (79%)
- Green (100%)
- Blue (68%)



- Red (68%)
- Yellow (100%)
- Blue (89%)



- Cyan (21%)
- Magenta (0%)
- Yellow (32%)
- Black (0%)





- Cyan (21%)
- Magenta (0%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.6599, 87.0937, 52.7799 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 67.6599, 87.0937, 52.7799 by changing the saturation by 10% instead.


 67.6599, 87.0937,
52.7799

 67.6599, 87.0937,
52.7799


441.6857,
518.5307, 414.4824

 49.8938, 65.5728,
37.2406


 114.9101,
143.2947, 95.7187

 35.5464, 47.9257,
25.0966


145.1248,
178.7436, 123.9552

 24.2526, 33.7680,
15.9293


180.2198,
219.6039, 157.2612

 15.6469, 22.7154,
9.3204

220.5603,
266.2600, 196.0553

 9.3639, 14.3835,
4.8511

266.5119,
319.0964, 240.7559

 5.0383, 8.3879,
2.1029

318.4397,

 2.3047, 4.3441,

378.4974, 291.7816

0.6175

376.7092,
444.8473, 349.5509

■ 0.7971, 1.8679,
0.0000

■ 0.0000, 0.5290,
0.0000

■ 67.6599, 87.0937,
52.7799

■ 67.6599, 87.0937,
52.7799

■ 61.1989, 84.0213,
40.8032

■ 75.0691, 90.6004,
67.2616

■ 55.6430, 81.3642,
31.1854

■ 83.4642, 94.5581,
84.3754

■ 50.9474, 79.1028,
23.7712

■ 92.8822, 98.9833,
104.2443

■ 47.0625, 77.2152,
18.3853

95.0500, 100.0000,
108.9000

■ 43.9324, 75.6772,
14.8253

■ 41.4922, 74.4605,
12.8474

■ 39.9939, 73.7027,
12.1181

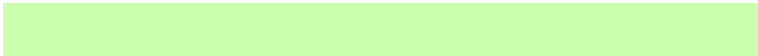
Harmonies

Analogous

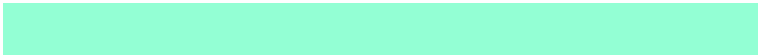
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.7155, 87.0937, 42.4664



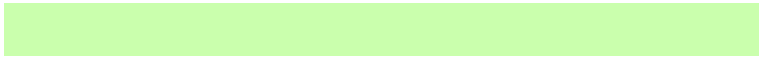
67.6599, 87.0937, 52.7799



62.0121, 87.0937, 75.6929

Triad

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



67.6599, 87.0937, 52.7799



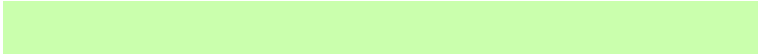
75.7960, 87.0937, 176.2460



108.3790, 87.0937, 80.7774

Complementary

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



67.6599, 87.0937, 52.7799



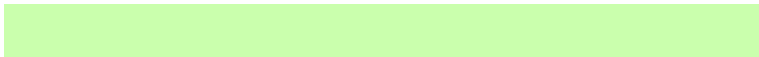
64.3588, 53.2772, 101.4992

Split Complementary

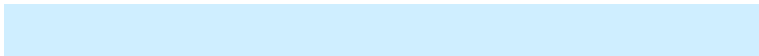
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



107.7329, 87.0937, 116.9485



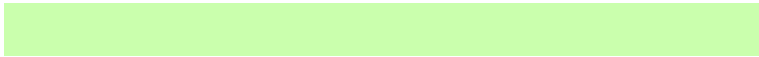
67.6599, 87.0937, 52.7799



88.0598, 87.0937, 178.5981

Square

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



67.6599, 87.0937, 52.7799



66.3762, 87.0937, 148.9990



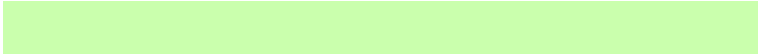
99.9998, 87.0937, 154.7925



101.6854, 87.0937, 55.6957

Rectangle

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



67.6599, 87.0937, 52.7799



61.1220, 87.0937, 97.8410



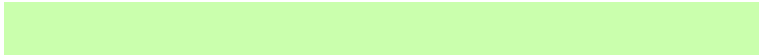
99.9998, 87.0937, 154.7925



109.0307, 87.0937, 91.8818

Sweetspot

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



67.6603, 87.0938, 52.7812



85.4068, 95.4720, 88.4218



75.6905, 78.0921, 50.6204



18.0083, 20.3069, 18.3582



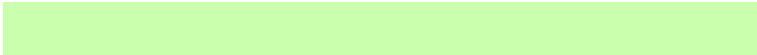
0.0000, 0.0000, 0.0000



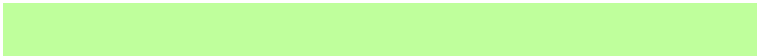
20.3446, 21.4041, 23.3091

Same Dimension

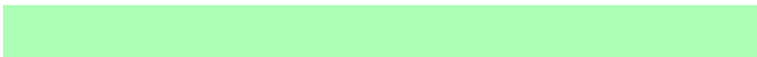
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.6603, 87.0938, 52.7812



63.1382, 84.9452, 44.3214



61.6391, 83.8625, 58.2504



18.3776, 20.4806, 19.1289



21.0438, 38.5866, 6.3388



2.1623, 3.8155, 0.6225

Inverse Universe

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



64.3588, 53.2772, 101.4992



59.3269, 46.0353, 100.3666



72.5234, 57.6839, 92.9530



18.1328, 17.9602, 22.7609



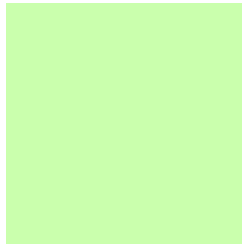
17.6883, 8.0291, 50.0521



1.8410, 0.8430, 4.8790

Previews

White Background



This preview shows how the XYZ color 67.6599, 87.0937, 52.7799 looks on a white background.

Color Contrast Check

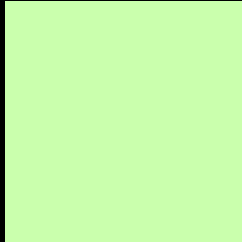
Large Text (above 18pt) WCAG AA × Fail

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 67.6599, 87.0937, 52.7799 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

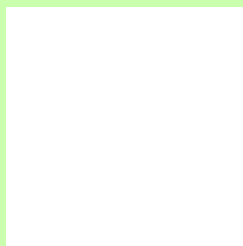
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.6599, 87.0937, 52.7799

Background



This preview shows how black text looks on a background with the XYZ color 67.6599, 87.0937, 52.7799.

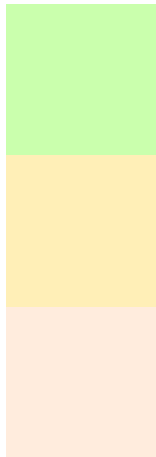


This preview shows how white text looks on a background with the XYZ color 67.6599, 87.0937,

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

67.6599, 87.0937, 52.7799

Protanopia

80.6537, 86.4119, 57.2280

Deuteranopia

84.2866, 86.4714, 80.6549



Tritanopia

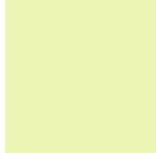
80.8535, 86.7318, 107.0872

Trichromacy



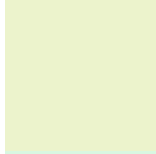
Original Color

67.6599, 87.0937, 52.7799



Protanomaly

75.3812, 86.3924, 55.3502



Deuteranomaly

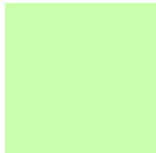
77.5417, 86.2937, 69.6962



Tritanomaly

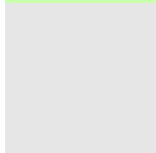
75.4666, 86.7095, 83.9933

Monochromacy



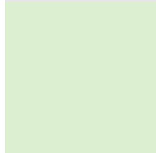
Original Color

67.6599, 87.0937, 52.7799



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

71.8903, 81.5521, 72.2737

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.6599, 87.0937, 52.7799 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(202, 255, 173)` looks like.

```
.text, #text, p{  
    color:rgb(202, 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(202, 255, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 255, 173) }
```

Border

The CSS property to change the border of an element to XYZ 67.6599, 87.0937, 52.7799 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(202, 255, 173) }
```


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

```
.border{ border-color:rgb(202, 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(202, 255, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 255, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 255, 173);  
box-shadow:4px 4px 4px 4px rgb(202, 255,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 67.6599, 87.0937, 52.7799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 255, 173) }
```

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

```
.background{ background-color: rgb(202,  
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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