

Converting Colors

XYZ(70.8533, 104.5077,
55.6912)

Have a look what the booklet for
XYZ(70.8533, 104.5077, 55.6912)
contains.

XYZ(60.2197, 83.2692, 51.9284)	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(60.2197, 83.2692,
51.9284)**

Conversions

Conversions Part 1

Format	Color
Hex	ACFFAC
RGB	172, 255, 172
RGB Percent	67%, 100%, 67%
CMY	0.3255, 0.0000, 0.3255
CMYK	0.33, 0.00, 0.33, 0.00
HSL	120°, 100%, 84%
HSV	120°, 33%, 100%
XYZ	60.2197, 83.2692, 51.9284
YIQ	220.7210, -22.8250, -43.4090

Conversions

Conversions Part 2

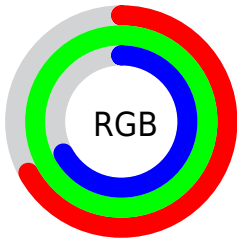
Format	Color
RYB	172, 255, 255
Decimal	11337644
CIELab	93.13, -40.96, 31.90
CIELCh	93, 51.914, 142.086
Yxy	83.2692, 0.3082, 0.4261
Android (android.graphics.Color)	4289527724 (0xFFACFFAC)
YUV	220.7210, -24.0195, -42.7283
Hunter-Lab	91.2520, -41.8938, 30.1364

Details

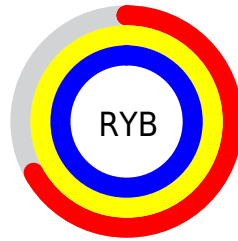
The XYZ color **60.2197, 83.2692, 51.9284** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **74.0426, 57.9855, 101.8967**, and the grayscale version is **68.7058, 72.2839, 78.7172**.

A 20% lighter version of the original color is **82.0767, 93.7794, 87.1741**, and **30.8600, 45.5020, 24.6090** is the 20% darker color. If you saturate the color by 10%, you get **52.9309, 79.7681, 40.0067**, and if you desaturate by 10%, it is **69.0532, 87.5124, 66.3777**.

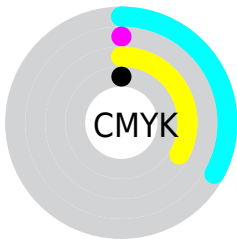
Distribution



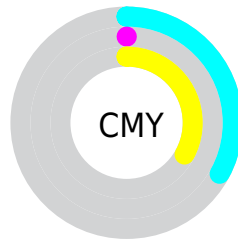
- Red (67%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)



- Cyan (33%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 60.2197, 83.2692, 51.9284 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 60.2197, 83.2692, 51.9284 by changing the saturation by 10% instead.

60.2197, 83.2692,
51.9284

60.2197, 83.2692,
51.9284

415.2289,
505.8833, 411.1092

43.8459, 62.4123,
36.5662

104.2528,
137.9524, 94.4511

30.7468, 45.3659,
24.5786

132.6429,
172.5475, 122.4487

20.5570, 31.7457,
15.5472

165.7690,
212.4908, 155.4952

12.9112, 21.1674,
9.0535

203.9966,
258.1666, 194.0090

7.4440, 13.2464,
4.6788

247.6911,
309.9593, 238.4088

3.7901, 7.5984,
2.0046

297.2177,

1.5841, 3.8391,

368.2534, 289.1131

0.5581

352.9418,
433.4333, 346.5404

0.3820, 1.5840,
0.0000

0.0000, 0.3468,
0.0000

60.2197, 83.2692,
51.9284

60.2197, 83.2692,
51.9284

52.9309, 79.7681,
40.0067

69.0532, 87.5124,
66.3777

47.0968, 76.9656,
30.4638

79.5114, 92.5360,
83.4839

42.6201, 74.8153,
23.1414

91.6707, 98.3767,
103.3725

39.3915, 73.2644,
17.8603

95.0500, 100.0000,
108.9000

■ 37.2845, 72.2523,
14.4139

■ 36.1462, 71.7055,
12.5518

■ 35.7600, 71.5200,
11.9201

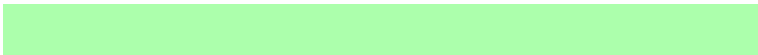
Harmonies

Analogous

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



69.6956, 83.2692, 37.3905



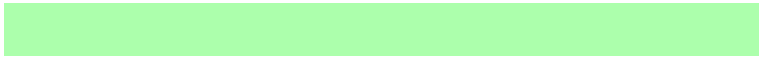
60.2197, 83.2692, 51.9284



55.9245, 83.2692, 80.7206

Triad

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



60.2197, 83.2692, 51.9284



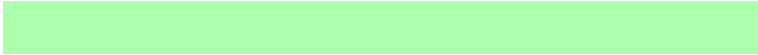
75.5915, 83.2692, 187.1594



105.9934, 83.2692, 65.2753

Complementary

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



60.2197, 83.2692, 51.9284



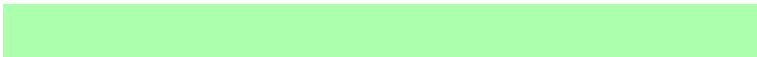
74.0426, 57.9855, 101.8967

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.



108.0393, 83.2692, 101.3964



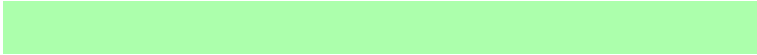
60.2197, 83.2692, 51.9284



89.4118, 83.2692, 179.4976

Square

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



60.2197, 83.2692, 51.9284



64.1105, 83.2692, 163.6939



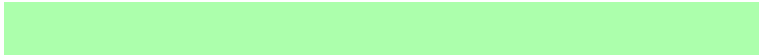
101.6699, 83.2692, 145.0396



96.3631, 83.2692, 43.4126

Rectangle

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



60.2197, 83.2692, 51.9284



56.1877, 83.2692, 107.3039



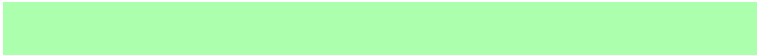
101.6699, 83.2692, 145.0396



107.6322, 83.2692, 75.8435

Sweetspot

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



60.2202, 83.2695, 51.9297



82.4457, 93.9455, 88.2835



84.4465, 95.7586, 53.0629



17.2975, 19.9404, 18.3250



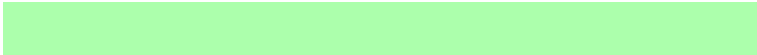
0.0000, 0.0000, 0.0000



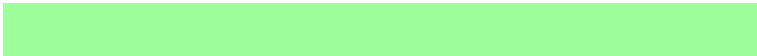
20.3446, 21.4041, 23.3091

Same Dimension

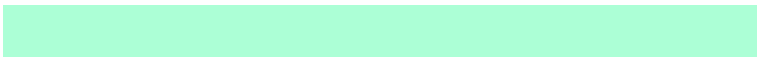
The Same Dimension uses a secret algorithm to generate beautiful new colors.



60.2202, 83.2695, 51.9297



55.3462, 80.9282, 43.9573



64.8475, 85.1204, 76.2966



17.7717, 20.1682, 19.1006



18.6854, 37.3707, 6.2285



1.8193, 3.6387, 0.6065

Inverse Universe

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



74.0426, 57.9855, 101.8967



71.1029, 52.1061, 100.9166



68.0667, 55.5952, 70.4280



18.7928, 18.3004, 22.7917



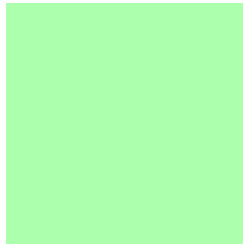
30.9800, 14.8813, 50.6726



3.0164, 1.4489, 4.9338

Previews

White Background



This preview shows how the XYZ color 60.2197, 83.2692, 51.9284 looks on a white background.

Color Contrast Check

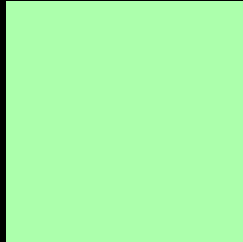
Large Text (above 18pt) WCAG AA × Fail

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 60.2197, 83.2692, 51.9284 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 60.2197, 83.2692, 51.9284

Background



This preview shows how black text looks on a background with the XYZ color 60.2197, 83.2692, 51.9284.



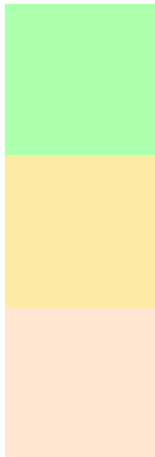
This preview shows how white text looks on a background with the XYZ color 60.2197, 83.2692,

51.9284.

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

60.2197, 83.2692, 51.9284

Protanopia

76.5417, 82.3726, 46.5157

Deuteranopia

81.1697, 82.5068, 72.6201



Tritanopia

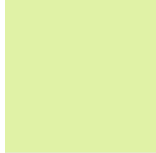
74.4071, 82.9680, 106.7005

Trichromacy



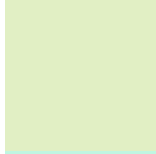
Original Color

60.2197, 83.2692, 51.9284



Protanomaly

69.3755, 82.1047, 48.2677



Deuteranomaly

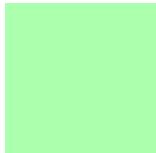
71.8816, 81.7261, 64.2107



Tritanomaly

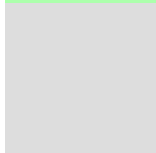
68.2846, 82.5542, 83.5697

Monochromacy



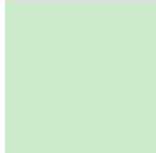
Original Color

60.2197, 83.2692, 51.9284



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

64.5470, 75.2861, 67.6296

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.2197, 83.2692, 51.9284 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(172, 255, 172)` looks like.

```
.text, #text, p{  
    color:rgb(172, 255, 172)  
}
```

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(172, 255, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 255, 172) }
```

Border

The CSS property to change the border of an element to XYZ 60.2197, 83.2692, 51.9284 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(172, 255, 172) }
```


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

```
.border{ border-color:rgb(172, 255, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 255, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 255, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 255, 172);  
box-shadow:4px 4px 4px 4px rgb(172, 255,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 60.2197, 83.2692, 51.9284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 255, 172) }
```

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

```
.background{ background-color: rgb(172,  
255, 172) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor