

Converting Colors

XYZ(51.5062, 77.4148, 18.7764)

Have a look what the booklet for
XYZ(51.5062, 77.4148, 18.7764)
contains.

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Color

**XYZ(51.6696, 77.7043,
18.7537)**

Conversions

Conversions Part 1

Format	Color
Hex	A7FB4A
RGB	167, 251, 74
RGB Percent	65%, 98%, 29%
CMY	0.3451, 0.0157, 0.7098
CMYK	0.33, 0.00, 0.71, 0.02
HSL	88°, 96%, 64%
HSV	88°, 71%, 98%
XYZ	51.6696, 77.7043, 18.7537
YIQ	205.7060, 6.7530, -72.8550

Conversions

Conversions Part 2

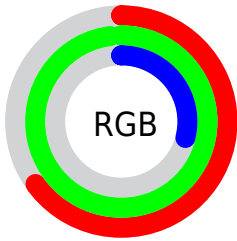
Format	Color
RYB	74, 251, 158
Decimal	11008842
CIELab	90.64, -51.61, 72.59
CIELCh	91, 89.067, 125.408
Yxy	77.7043, 0.3488, 0.5246
Android (android.graphics.Color)	4289198922 (0xFFA7FB4A)
YUV	205.7060, -64.9311, -33.9452
Hunter-Lab	88.1500, -49.6339, 49.0912

Details

The XYZ color **51.6696, 77.7043, 18.7537** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **33.9655, 19.1341, 93.1743**, and the grayscale version is **58.8793, 61.9456, 67.4588**.

A 20% lighter version of the original color is **71.6034, 89.5168, 35.3344**, and **25.4761, 41.7717, 6.7200** is the 20% darker color. If you saturate the color by 10%, you get **48.5855, 76.1958, 15.0419**, and if you desaturate by 10%, it is **55.3264, 79.4739, 24.2552**.

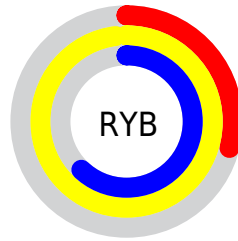
Distribution



Red (65%)

Green (98%)

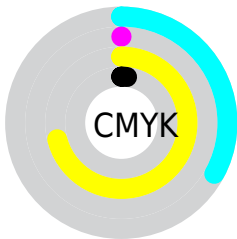
Blue (29%)



Red (29%)

Yellow (98%)

Blue (62%)

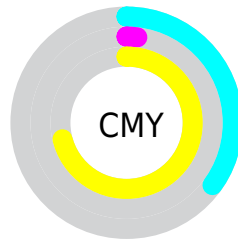


Cyan (33%)

Magenta (0%)

Yellow (71%)

Black (2%)



Cyan (35%)


Magenta (2%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.6696, 77.7043, 18.7537 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 51.6696, 77.7043, 18.7537 by changing the saturation by 10% instead.


 51.6696, 77.7043,
18.7537

 51.6696, 77.7043,
18.7537


383.5047,
487.1620, 257.4629

 36.9650, 57.8311,
11.3174


 91.8209, 130.1332,
42.1486

 25.3539, 41.6729,
6.1639


 117.9983,
163.4577, 58.9444


 16.4711, 28.8452,
2.8746


 148.7307,
202.0347, 79.6970

 9.9511, 18.9638,
1.0310

 184.3834,
246.2487, 104.8252

 5.4285, 11.6441,
0.0000

 225.3218,
296.4840, 134.7473

 2.5382, 6.5018,
0.0000

271.9112,

 0.9145, 3.1526,

353.1251, 169.8819

0.0000

324.5171,
416.5563, 210.6476

0.0000, 1.2119,
0.0000

0.0000, 0.0714,
0.0000

51.6696, 77.7043,
18.7537

51.6696, 77.7043,
18.7537

48.5855, 76.1958,
15.0419

55.3264, 79.4739,
24.2552


46.0195, 74.9180,
12.8887


59.5921, 81.5120,
31.7301


43.9952, 73.8932,
11.9440


64.5058, 83.8374,
41.3452

70.1009, 86.4641,
53.2480

 76.4083, 89.4051,
67.5729

 83.4567, 92.6726,
84.4441

 91.2732, 96.2779,
103.9771

 93.7889, 97.4777,
108.4796

Harmonies

Analogous

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



69.8828, 77.7043, 11.7431



51.6696, 77.7043, 18.7537



41.2927, 77.7043, 43.0620

Triad

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



51.6696, 77.7043, 18.7537



57.3918, 77.7043, 252.8777



125.3696, 77.7043, 73.5396

Complementary

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



51.6696, 77.7043, 18.7537



33.9655, 19.1341, 93.1743

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.



120.1739, 77.7043, 146.7798



51.6696, 77.7043, 18.7537



77.9762, 77.7043, 275.5263

Square

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



51.6696, 77.7043, 18.7537



44.1001, 77.7043, 177.7078



101.6265, 77.7043, 229.5871



114.6627, 77.7043, 31.4926

Rectangle

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



51.6696, 77.7043, 18.7537



38.7955, 77.7043, 75.1406



101.6265, 77.7043, 229.5871



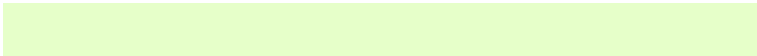
125.4455, 77.7043, 94.8363

Sweetspot

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



51.6714, 77.7077, 18.7554



78.8556, 92.5126, 69.2369



53.0122, 44.9855, 12.3687



16.4777, 19.6150, 13.8936



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.



51.6714, 77.7077, 18.7554



49.0868, 78.3493, 14.3907



39.0355, 71.1936, 18.1640



17.8878, 19.7579, 18.3333



23.2941, 38.9269, 6.2859



2.2799, 3.6684, 0.5879

Inverse Universe

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



33.9655, 19.1341, 93.1743



29.7563, 14.2957, 95.7987



57.5556, 31.2952, 94.2783



17.0666, 17.0470, 21.7762



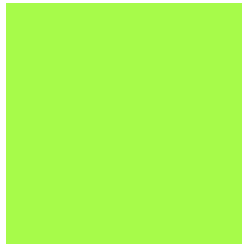
13.3264, 5.8127, 48.3931



1.3557, 0.6010, 4.4877

Previews

White Background



This preview shows how the XYZ color 51.6696, 77.7043, 18.7537 looks on a white background.

Color Contrast Check

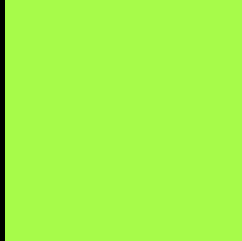
Large Text (above 18pt) WCAG AA × Fail

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 51.6696, 77.7043, 18.7537 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

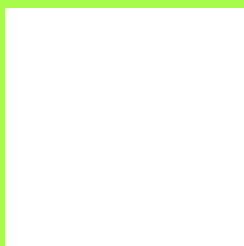
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.6696, 77.7043, 18.7537

Background



This preview shows how black text looks on a background with the XYZ color 51.6696, 77.7043, 18.7537.

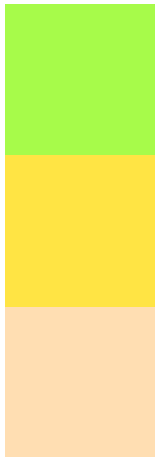


This preview shows how white text looks on a background with the XYZ color 51.6696, 77.7043,

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

51.6696, 77.7043, 18.7537

Protanopia

70.0268, 77.1642, 16.6722

Deuteranopia

75.3972, 76.7169, 52.9535



Tritanopia

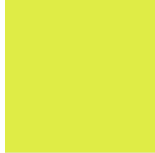
68.6383, 77.0139, 104.1760

Trichromacy



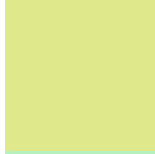
Original Color

51.6696, 77.7043, 18.7537



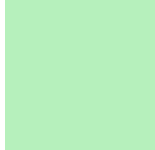
Protanomaly

61.5324, 76.1211, 17.2441



Deuteranomaly

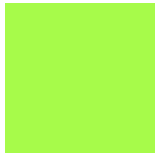
64.3040, 75.8593, 36.0641



Tritanomaly

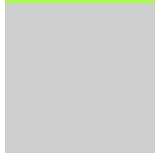
59.5286, 75.8961, 59.0889

Monochromacy



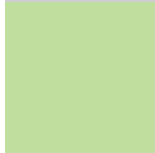
Original Color

51.6696, 77.7043, 18.7537



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

54.0311, 65.9176, 42.2234

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6696, 77.7043, 18.7537 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(167, 251, 74)` looks like.

```
.text, #text, p{  
    color:rgb(167, 251, 74)  
}
```

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(167, 251, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 251, 74) }
```

Border

The CSS property to change the border of an element to XYZ 51.6696, 77.7043, 18.7537 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(167, 251, 74) }
```


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

```
.border{ border-color:rgb(167, 251, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 251, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 251, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 251, 74);  
box-shadow:4px 4px 4px 4px rgb(167, 251,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6696, 77.7043, 18.7537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 251, 74) }
```

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

```
.background{ background-color: rgb(167,  
251, 74) }
```

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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