

Converting Colors

XYZ(51.7020, 78.9611, 47.7824)

Have a look what the booklet for
XYZ(51.7020, 78.9611, 47.7824)
contains.

XYZ(51.6668, 78.9462, 47.6370)	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(51.6668, 78.9462,
47.6370)**

Conversions

Conversions Part 1

Format	Color
Hex	82FFA4
RGB	130, 255, 164
RGB Percent	51%, 100%, 64%
CMY	0.4902, 0.0000, 0.3569
CMYK	0.49, 0.00, 0.36, 0.00
HSL	136°, 100%, 75%
HSV	136°, 49%, 100%
XYZ	51.6668, 78.9462, 47.6370
YIQ	207.2510, -45.2890, -54.8010

Conversions

Conversions Part 2

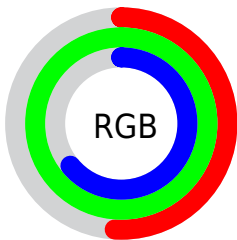
Format	Color
RYB	130, 228, 255
Decimal	8585124
CIELab	91.21, -54.05, 33.01
CIElCh	91, 63.334, 148.582
Yxy	78.9462, 0.2899, 0.4429
Android (android.graphics.Color)	4286775204 (0xFF82FFA4)
YUV	207.2510, -21.3227, -67.7491
Hunter-Lab	88.8517, -51.6936, 30.4084

Details

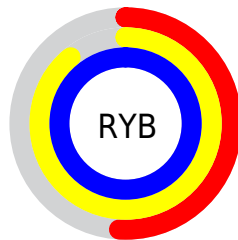
The XYZ color **51.6668, 78.9462, 47.6370** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **62.2739, 42.4462, 73.3168**, and the grayscale version is **59.6241, 62.7291, 68.3120**.

A 20% lighter version of the original color is **69.6645, 87.5061, 80.9288**, and **25.2897, 42.3454, 21.8795** is the 20% darker color. If you saturate the color by 10%, you get **46.6721, 76.5511, 39.2818**, and if you desaturate by 10%, it is **57.8763, 81.9392, 57.3290**.

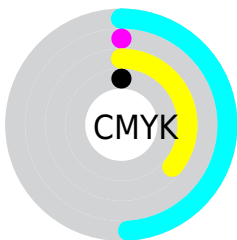
Distribution



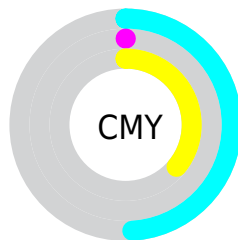
- Red (51%)
- Green (100%)
- Blue (64%)



- Red (51%)
- Yellow (89%)
- Blue (100%)



- Cyan (49%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)




- Cyan (49%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.6668, 78.9462, 47.6370 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 51.6668, 78.9462, 47.6370 by changing the saturation by 10% instead.

 51.6668, 78.9462,
47.6370


 51.6668, 78.9462,
47.6370


383.4940,
491.3743, 393.8186


 36.9628, 58.8516,
33.1816


 91.8168, 131.8831,
88.0236

 25.3522, 42.4937,
21.9933


 117.9935,
165.4942, 114.7918

 16.4698, 29.4880,
13.6537


 148.7250,
204.3796, 146.5014

 9.9501, 19.4503,
7.7442

184.3769,
248.9236, 183.5709

 5.4279, 11.9961,
3.8463

225.3143,
299.5107, 226.4188

 2.5378, 6.7410,
1.5414

271.9028,

 0.9143, 3.3007,

356.5252, 275.4637

0.2485

324.5076,
420.3517, 331.1241

0.0000, 1.2907,
0.0000

0.0000, 0.1339,
0.0000

51.6668, 78.9462,
47.6370

51.6668, 78.9462,
47.6370

46.6721, 76.5511,
39.2818

57.8763, 81.9392,
57.3290

42.8072, 74.7114,
32.2006

65.3745, 85.5672,
68.4092

39.9781, 73.3799,
26.3311

74.2309, 89.8649,
80.9311

38.0737, 72.5008,
21.6040

84.5099, 94.8643,
94.9440

■ 36.9346, 71.9934, 95.0500, 100.0000,
17.9417 108.9000

■ 36.8455, 71.9542,
17.6360

Harmonies

Analogous

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



61.2226, 78.9462, 29.3732



51.6668, 78.9462, 47.6370



48.2264, 78.9462, 83.7910

Triad

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



51.6668, 78.9462, 47.6370



74.2751, 78.9462, 207.9991



105.5193, 78.9462, 50.2381

Complementary

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



51.6668, 78.9462, 47.6370



62.2739, 42.4462, 73.3168

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.



110.2971, 78.9462, 88.1641



51.6668, 78.9462, 47.6370



90.7849, 78.9462, 189.2346

Square

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



51.6668, 78.9462, 47.6370



60.0753, 78.9462, 185.5585



104.5639, 78.9462, 140.7338



92.2947, 78.9462, 30.4549

Rectangle

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



51.6668, 78.9462, 47.6370



49.4270, 78.9462, 117.3011



104.5639, 78.9462, 140.7338



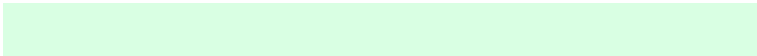
108.2429, 78.9462, 60.7652

Sweetspot

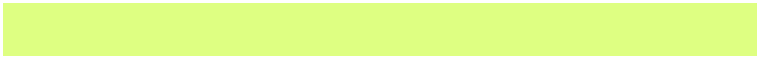
The Sweet Spot groups the original color and five complimentary colors.



51.6673, 78.9464, 47.6383



78.1875, 91.7880, 86.3808



69.8118, 88.6089, 34.5435



16.2849, 19.4274, 17.8707



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.



51.6673, 78.9464, 47.6383



46.6804, 76.5551, 39.2964



58.6709, 81.7478, 84.5186



17.9745, 20.2493, 20.1687



19.3057, 37.6189, 9.4951



1.9232, 3.6802, 1.1534

Inverse Universe

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



62.2739, 42.4462, 73.3168



58.3932, 36.1306, 67.5655



55.4955, 39.7348, 37.6221



18.5694, 18.2111, 21.6157



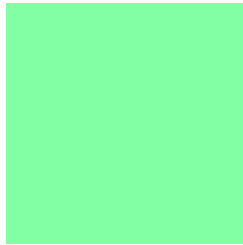
26.2257, 12.9796, 25.6366



2.5994, 1.2821, 2.7377

Previews

White Background



This preview shows how the XYZ color 51.6668, 78.9462, 47.6370 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 51.6668, 78.9462, 47.6370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

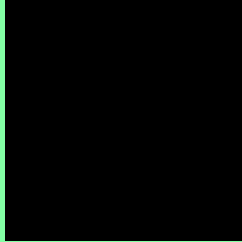
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.6668, 78.9462, 47.6370

Background



This preview shows how black text looks on a background with the XYZ color 51.6668, 78.9462, 47.6370.



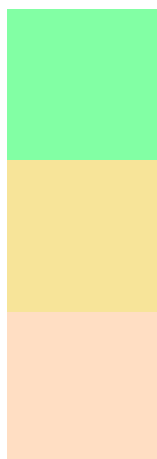
This preview shows how white text looks on a background with the XYZ color 51.6668, 78.9462,

47.6370.

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

51.6668, 78.9462, 47.6370

Protanopia

71.8509, 77.5609, 41.3208

Deuteranopia

77.2116, 77.4427, 62.5082



Tritanopia

66.8893, 78.6541, 106.2641

Trichromacy



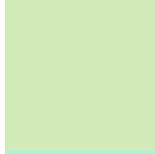
Original Color

51.6668, 78.9462, 47.6370



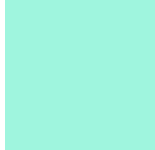
Protanomaly

61.5622, 76.4208, 43.4043



Deuteranomaly

64.6529, 76.0080, 56.6108



Tritanomaly

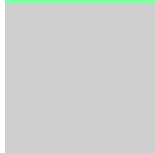
60.1353, 77.9497, 80.9836

Monochromacy



Original Color

51.6668, 78.9462, 47.6370



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

54.6500, 66.6566, 59.2759

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6668, 78.9462, 47.6370 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(130, 255, 164)` looks like.

```
.text, #text, p{  
    color:rgb(130, 255, 164)  
}
```

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(130, 255, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 255, 164) }
```

Border

The CSS property to change the border of an element to XYZ 51.6668, 78.9462, 47.6370 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(130, 255, 164) }
```


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

```
.border{ border-color:rgb(130, 255, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 255, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 255, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 255, 164);  
box-shadow:4px 4px 4px 4px rgb(130, 255,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6668, 78.9462, 47.6370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 255, 164) }
```

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

```
.background{ background-color: rgb(130,  
255, 164) }
```

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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