

Converting Colors

XYZ(51.3239, 78.7740, 47.4159)

Have a look what the booklet for
XYZ(51.3239, 78.7740, 47.4159)
contains.

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Color

**XYZ(51.3629, 78.7895,
47.6228)**

Conversions

Conversions Part 1

Format	Color
Hex	80FFA4
RGB	128, 255, 164
RGB Percent	50%, 100%, 64%
CMY	0.4980, 0.0000, 0.3569
CMYK	0.50, 0.00, 0.36, 0.00
HSL	137°, 100%, 75%
HSV	137°, 50%, 100%
XYZ	51.3629, 78.7895, 47.6228
YIQ	206.6530, -46.4810, -55.2250

Conversions

Conversions Part 2

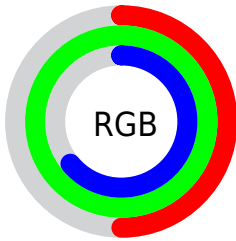
Format	Color
RYB	128, 227, 255
Decimal	8454052
CIELab	91.14, -54.54, 32.91
CIElCh	91, 63.702, 148.897
Yxy	78.7895, 0.2889, 0.4432
Android (android.graphics.Color)	4286644132 (0xFF80FFA4)
YUV	206.6530, -21.0279, -68.9787
Hunter-Lab	88.7634, -52.0472, 30.3245

Details

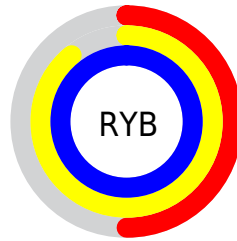
The XYZ color **51.3629, 78.7895, 47.6228** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **61.7454, 41.8132, 71.8335**, and the grayscale version is **59.2371, 62.3221, 67.8688**.

A 20% lighter version of the original color is **69.1718, 87.2521, 80.9057**, and **25.0823, 42.2385, 21.8698** is the 20% darker color. If you saturate the color by 10%, you get **46.4640, 76.4412, 39.3904**, and if you desaturate by 10%, it is **57.4636, 81.7300, 57.1515**.

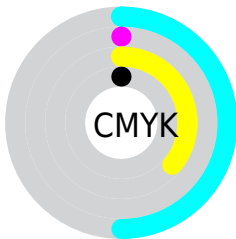
Distribution



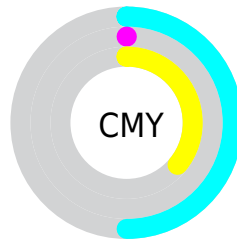
- Red (50%)
- Green (100%)
- Blue (64%)



- Red (50%)
- Yellow (89%)
- Blue (100%)



- Cyan (50%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)





- Cyan (50%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.3629, 78.7895, 47.6228 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 51.3629, 78.7895, 47.6228 by changing the saturation by 10% instead.


 51.3629, 78.7895,
47.6228


 51.3629, 78.7895,
47.6228


382.3366,
490.8439, 393.7605


 36.7197, 58.7228,
33.1704


 91.3708, 131.6625,
88.0022

 25.1632, 42.3900,
21.9848


 117.4662,
165.2375, 114.7663

 16.3281, 29.4068,
13.6475

 148.1097,
204.0841, 146.4714

 9.8489, 19.3888,
7.7400

183.6667,
248.5866, 183.5360

 5.3604, 11.9515,
3.8437

224.5025,
299.1294, 226.3787

 2.4972, 6.7107,
1.5400

270.9826,

 0.8938, 3.2818,

356.0970, 275.4180

0.2474

323.4721,
419.8737, 331.0724

0.0000, 1.2806,
0.0000

0.0000, 0.1261,
0.0000

51.3629, 78.7895,
47.6228

51.3629, 78.7895,
47.6228

46.4640, 76.4412,
39.3904

57.4636, 81.7300,
57.1515

42.6815, 74.6422,
32.3941

64.8400, 85.2996,
68.0254

39.9211, 73.3451,
26.5743

73.5617, 89.5332,
80.2960

38.0708, 72.4935,
21.8650

83.6926, 94.4629,
94.0104

■ 36.9572, 71.9996, 95.0500, 100.0000,
18.1915 108.9000

■ 36.9391, 71.9916,
18.1289

Harmonies

Analogous

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



60.8877, 78.7895, 29.1845



51.3629, 78.7895, 47.6228



47.9796, 78.7895, 84.0909

Triad

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



51.3629, 78.7895, 47.6228



74.2920, 78.7895, 208.6366



105.4270, 78.7895, 49.6501

Complementary

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



51.3629, 78.7895, 47.6228



61.7454, 41.8132, 71.8335

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.



110.3409, 78.7895, 87.5086



51.3629, 78.7895, 47.6228



90.8828, 78.7895, 189.3114

Square

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



51.3629, 78.7895, 47.6228



59.9919, 78.7895, 186.4297



104.6793, 78.7895, 140.2891



92.0638, 78.7895, 30.0252

Rectangle

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



51.3629, 78.7895, 47.6228



49.2273, 78.7895, 117.8621



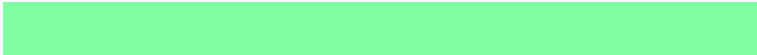
104.6793, 78.7895, 140.2891



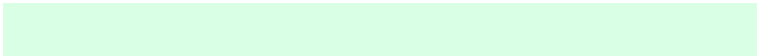
108.1997, 78.7895, 60.1352

Sweetspot

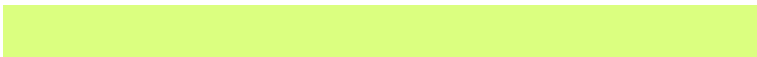
The Sweet Spot groups the original color and five complimentary colors.



51.3634, 78.7898, 47.6241



78.2481, 91.8123, 86.7003



68.8750, 88.1413, 33.8055



16.2994, 19.4332, 17.9470



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.



51.3634, 78.7898, 47.6241



46.3791, 76.4006, 39.2411



58.5943, 81.6821, 85.7015



17.9832, 20.2528, 20.2146



19.3563, 37.6391, 9.7614



1.9291, 3.6826, 1.1845

Inverse Universe

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



61.7454, 41.8132, 71.8335



57.8282, 35.4975, 65.8454



54.9194, 39.0828, 35.8881



18.5602, 18.2074, 21.5670



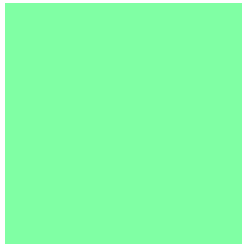
26.0667, 12.9160, 24.7993



2.5850, 1.2764, 2.6618

Previews

White Background



This preview shows how the XYZ color 51.3629, 78.7895, 47.6228 looks on a white background.

Color Contrast Check

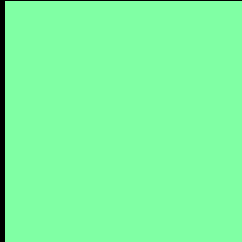
Large Text (above 18pt) WCAG AA × Fail

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 51.3629, 78.7895, 47.6228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

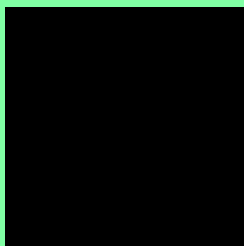
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.3629, 78.7895, 47.6228

Background



This preview shows how black text looks on a background with the XYZ color 51.3629, 78.7895, 47.6228.

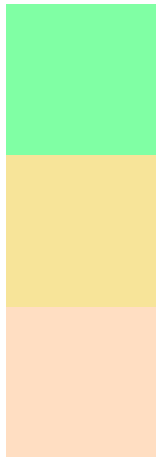


This preview shows how white text looks on a background with the XYZ color 51.3629, 78.7895,

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

51.3629, 78.7895, 47.6228

Protanopia

71.8509, 77.5609, 41.3208

Deuteranopia

77.0989, 77.3976, 61.9146



Tritanopia

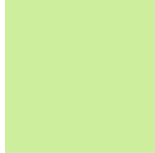
66.4437, 78.4244, 106.2432

Trichromacy



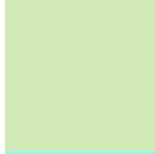
Original Color

51.3629, 78.7895, 47.6228



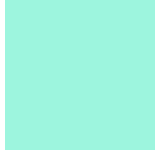
Protanomaly

61.5622, 76.4208, 43.4043



Deuteranomaly

64.2646, 75.8198, 56.0473



Tritanomaly

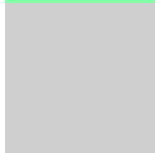
59.7419, 77.7468, 80.9652

Monochromacy



Original Color

51.3629, 78.7895, 47.6228



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

54.4197, 66.5379, 59.2651

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.3629, 78.7895, 47.6228 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(128, 255, 164)` looks like.

```
.text, #text, p{  
    color:rgb(128, 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(128, 255, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 255, 164) }
```

Border

The CSS property to change the border of an element to XYZ 51.3629, 78.7895, 47.6228 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(128, 255, 164) }
```


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

```
.border{ border-color:rgb(128, 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(128, 255, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 255, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 255, 164);  
box-shadow:4px 4px 4px 4px rgb(128, 255,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3629, 78.7895, 47.6228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 255, 164) }
```

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

```
.background{ background-color: rgb(128,  
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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