

Converting Colors

XYZ(51.3646, 78.7816, 48.0213)

Have a look what the booklet for
XYZ(51.3646, 78.7816, 48.0213)
contains.

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Color

**XYZ(51.4536, 78.8258,
48.1003)**

Conversions

Conversions Part 1

Format	Color
Hex	80FFA5
RGB	128, 255, 165
RGB Percent	50%, 100%, 65%
CMY	0.4980, 0.0000, 0.3529
CMYK	0.50, 0.00, 0.35, 0.00
HSL	137°, 100%, 75%
HSV	137°, 50%, 100%
XYZ	51.4536, 78.8258, 48.1003
YIQ	206.7670, -46.8020, -54.9140

Conversions

Conversions Part 2

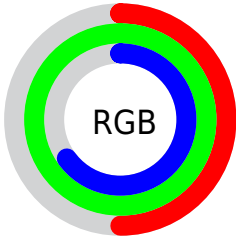
Format	Color
RYB	128, 226, 255
Decimal	8454053
CIELab	91.16, -54.38, 32.43
CIElCh	91, 63.312, 149.188
Yxy	78.8258, 0.2884, 0.4419
Android (android.graphics.Color)	4286644133 (0xFF80FFA5)
YUV	206.7670, -20.5911, -69.0787
Hunter-Lab	88.7839, -51.9244, 30.0273

Details

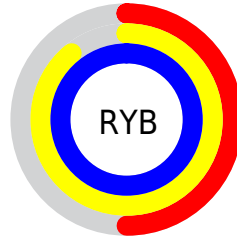
The XYZ color **51.4536, 78.8258, 48.1003** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **61.6142, 41.7607, 71.1423**, and the grayscale version is **59.3080, 62.3966, 67.9499**.

A 20% lighter version of the original color is **69.3047, 87.3053, 81.6055**, and **25.1376, 42.2606, 22.1615** is the 20% darker color. If you saturate the color by 10%, you get **46.5577, 76.4786, 39.8838**, and if you desaturate by 10%, it is **57.5467, 81.7632, 57.5885**.

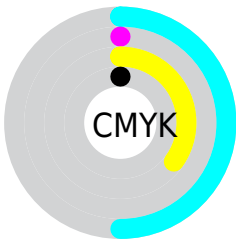
Distribution



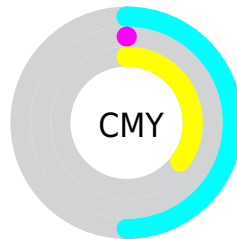
- Red (50%)
- Green (100%)
- Blue (65%)



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



- Cyan (50%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)




- Cyan (50%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.4536, 78.8258, 48.1003 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 51.4536, 78.8258, 48.1003 by changing the saturation by 10% instead.

 51.4536, 78.8258,
48.1003


 51.4536, 78.8258,
48.1003


382.6822,
490.9668, 395.7097


 36.7922, 58.7526,
33.5458


 91.5039, 131.7136,
88.7208

 25.2196, 42.4140,
22.2703


 117.6236,
165.2970, 115.6239

 16.3703, 29.4256,
13.8555


 148.2934,
204.1525, 147.4802

 9.8791, 19.4030,
7.8826

183.8788,
248.6647, 184.7084

 5.3805, 11.9618,
3.9332

224.7449,
299.2178, 227.7268

 2.5092, 6.7177,
1.5888

271.2574,

 0.8999, 3.2862,

356.1962, 276.9542

0.2828

323.7813,
419.9845, 332.8090

0.0000, 1.2829,
0.0000

0.0000, 0.1279,
0.0000

51.4536, 78.8258,
48.1003

51.4536, 78.8258,
48.1003

46.5577, 76.4786,
39.8838

57.5467, 81.7632,
57.5885

42.7740, 74.6792,
32.8807

64.9104, 85.3277,
68.3958

40.0084, 73.3800,
27.0337

73.6140, 89.5542,
80.5717

38.1495, 72.5250,
22.2791

83.7215, 94.4744,
94.1620

■ 37.0243, 72.0265, 95.0500, 100.0000,
18.5450 108.9000

■ 37.0060, 72.0184,
18.4811

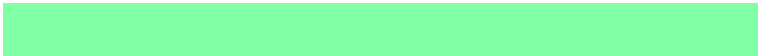
Harmonies

Analogous

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



60.8785, 78.8258, 29.5432



51.4536, 78.8258, 48.1003



48.1445, 78.8258, 84.5832

Triad

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



51.4536, 78.8258, 48.1003



74.4857, 78.8258, 207.7399



105.1664, 78.8258, 49.5879

Complementary

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



51.4536, 78.8258, 48.1003



61.6142, 41.7607, 71.1423

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.



110.1434, 78.8258, 87.0847



51.4536, 78.8258, 48.1003



90.9734, 78.8258, 188.2051

Square

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



51.4536, 78.8258, 48.1003



60.2222, 78.8258, 186.1020



104.6198, 78.8258, 139.4226



91.8370, 78.8258, 30.1617

Rectangle

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



51.4536, 78.8258, 48.1003



49.4280, 78.8258, 118.2171



104.6198, 78.8258, 139.4226



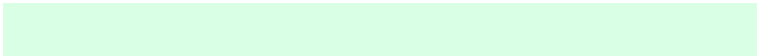
107.9492, 78.8258, 59.9713

Sweetspot

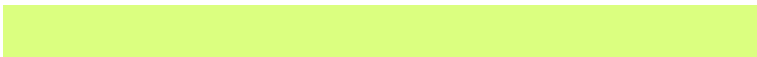
The Sweet Spot groups the original color and five complimentary colors.



51.4541, 78.8260, 48.1016



78.2899, 91.8290, 86.9202



68.8750, 88.1413, 33.8056



16.3094, 19.4372, 17.9994



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.



51.4541, 78.8260, 48.1016



46.4728, 76.4381, 39.7345



58.5944, 81.6821, 85.7016



17.9892, 20.2552, 20.2462



19.3924, 37.6535, 9.9514



1.9333, 3.6842, 1.2064

Inverse Universe

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



61.6142, 41.7607, 71.1423



57.6771, 35.4370, 65.0500



54.9194, 39.0828, 35.8881



18.5538, 18.2048, 21.5337



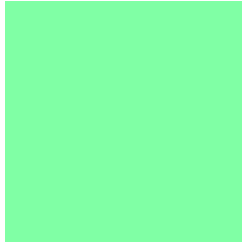
25.9593, 12.8730, 24.2342



2.5752, 1.2724, 2.6104

Previews

White Background



This preview shows how the XYZ color 51.4536, 78.8258, 48.1003 looks on a white background.

Color Contrast Check

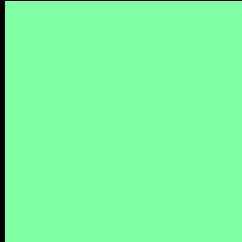
Large Text (above 18pt) WCAG AA × Fail

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 51.4536, 78.8258, 48.1003 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 51.4536, 78.8258, 48.1003

Background



This preview shows how black text looks on a background with the XYZ color 51.4536, 78.8258, 48.1003.

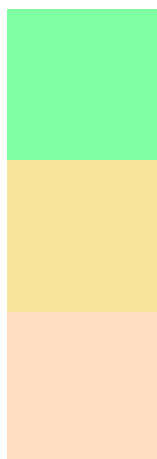


This preview shows how white text looks on a background with the XYZ color 51.4536, 78.8258,

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

51.4536, 78.8258, 48.1003

Protanopia

71.9339, 77.5941, 41.7577

Deuteranopia

77.2116, 77.4427, 62.5082



Tritanopia

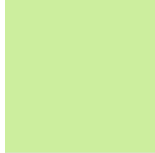
66.6656, 78.5388, 106.2536

Trichromacy



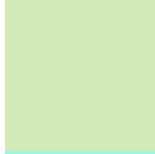
Original Color

51.4536, 78.8258, 48.1003



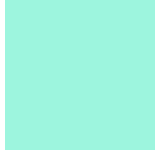
Protanomaly

61.6479, 76.4551, 43.8559



Deuteranomaly

64.3690, 75.8616, 56.5976



Tritanomaly

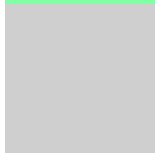
59.7419, 77.7468, 80.9652

Monochromacy



Original Color

51.4536, 78.8258, 48.1003



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

54.5302, 66.5821, 59.8467

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4536, 78.8258, 48.1003 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, 165)` looks like.

```
.text, #text, p{  
    color:rgb(128, 255, 165)  
}
```

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, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 255, 165) }
```

Border

The CSS property to change the border of an element to XYZ 51.4536, 78.8258, 48.1003 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, 165) }
```


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

```
.border{ border-color:rgb(128, 255, 165) }
```

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, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 255, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 255, 165);  
box-shadow:4px 4px 4px 4px rgb(128, 255,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4536, 78.8258, 48.1003 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, 165) }
```

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

```
.background{ background-color: rgb(128,  
255, 165) }
```

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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