

Converting Colors

XYZ(59.9764, 96.3537, 46.4663)

Have a look what the booklet for
XYZ(59.9764, 96.3537, 46.4663)
contains.

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Color

**XYZ(51.1921, 78.7921,
43.5206)**

Conversions

Conversions Part 1

Format	Color
Hex	84FF9B
RGB	132, 255, 155
RGB Percent	52%, 100%, 61%
CMY	0.4823, 0.0000, 0.3921
CMYK	0.48, 0.00, 0.39, 0.00
HSL	131°, 100%, 76%
HSV	131°, 48%, 100%
XYZ	51.1921, 78.7921, 43.5206
YIQ	206.8230, -41.2080, -57.1760

Conversions

Conversions Part 2

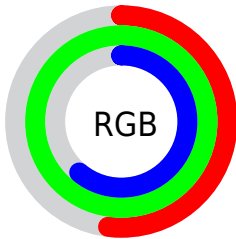
Format	Color
RYB	132, 236, 255
Decimal	8716187
CIELab	91.14, -55.00, 37.40
CIELCh	91, 66.512, 145.785
Yxy	78.7921, 0.2950, 0.4541
Android (android.graphics.Color)	4286906267 (0xFF84FF9B)
YUV	206.8230, -25.5487, -65.6198
Hunter-Lab	88.7649, -52.3949, 33.0661

Details

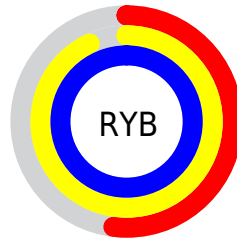
The XYZ color **51.1921, 78.7921, 43.5206** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **64.0567, 43.5890, 81.3803**, and the grayscale version is **59.3723, 62.4643, 68.0236**.

A 20% lighter version of the original color is **68.8787, 87.2495, 74.1833**, and **24.9631, 42.2314, 19.4062** is the 20% darker color. If you saturate the color by 10%, you get **46.0857, 76.3438, 34.9605**, and if you desaturate by 10%, it is **57.5728, 81.8627, 53.7032**.

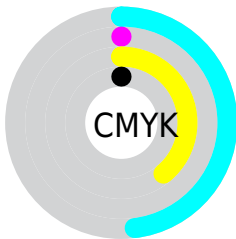
Distribution



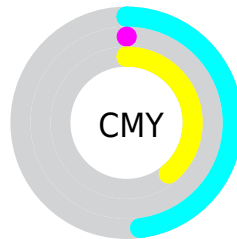
- Red (52%)
- Green (100%)
- Blue (61%)



- Red (52%)
- Yellow (93%)
- Blue (100%)



- Cyan (48%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)





- Cyan (48%)
- Magenta (0%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.1921, 78.7921, 43.5206 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 51.1921, 78.7921, 43.5206 by changing the saturation by 10% instead.


 51.1921, 78.7921,
43.5206


 51.1921, 78.7921,
43.5206


381.6851,
490.8527, 376.7323


 36.5832, 58.7249,
29.9594


 91.1200, 131.6661,
81.7906

 25.0571, 42.3917,
19.5560


 117.1696,
165.2418, 107.3365

 16.2486, 29.4081,
11.8918


 147.7636,
204.0890, 137.7144

 9.7922, 19.3898,
6.5484

183.2672,
248.5922, 173.3428

 5.3226, 11.9523,
3.1072

224.0457,
299.1358, 214.6403

 2.4744, 6.7112,
1.1496

270.4647,

 0.8824, 3.2821,

356.1041, 262.0253

0.0000

322.8893,
419.8816, 315.9165

0.0000, 1.2807,
0.0000

0.0000, 0.1262,
0.0000

51.1921, 78.7921,
43.5206

51.1921, 78.7921,
43.5206

46.0857, 76.3438,
34.9605

57.5728, 81.8627,
53.7032

42.1646, 74.4738,
27.9352

65.3057, 85.5942,
65.5821

39.3305, 73.1334,
22.3548

74.4636, 90.0227,
79.2314

37.4677, 72.2649,
18.1179

85.1142, 95.1815,
94.7195

■ 36.4215, 71.7911, 95.0500, 100.0000,
15.1096 108.9000

■ 36.2870, 71.7308,
14.6954

Harmonies

Analogous

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



61.6775, 78.7921, 26.4774



51.1921, 78.7921, 43.5206



47.0325, 78.7921, 79.1585

Triad

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



51.1921, 78.7921, 43.5206



72.5363, 78.7921, 215.3700



107.9674, 78.7921, 51.4643

Complementary

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



51.1921, 78.7921, 43.5206



64.0567, 43.5890, 81.3803

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.



112.0169, 78.7921, 92.7845



51.1921, 78.7921, 43.5206



89.8652, 78.7921, 199.2117

Square

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



51.1921, 78.7921, 43.5206



58.1284, 78.7921, 187.5048



104.9606, 78.7921, 149.1620



94.5977, 78.7921, 29.7115

Rectangle

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



51.1921, 78.7921, 43.5206



47.8680, 78.7921, 113.5497



104.9606, 78.7921, 149.1620



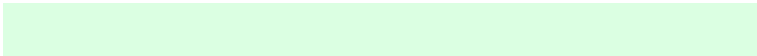
110.5420, 78.7921, 62.9709

Sweetspot

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



51.1926, 78.7923, 43.5219



78.7879, 92.1163, 85.5620



73.3500, 90.4172, 35.4166



16.3850, 19.4848, 17.6145



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.



51.1926, 78.7923, 43.5219



46.1916, 76.3945, 35.1435



57.6771, 81.3861, 77.6691



17.9103, 20.2237, 19.8306



19.0002, 37.4967, 7.8865



1.8852, 3.6650, 0.9534

Inverse Universe

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



64.0567, 43.5890, 81.3803



60.4205, 37.3612, 76.9477



56.8375, 40.7013, 43.3640



18.6384, 18.2387, 21.9789



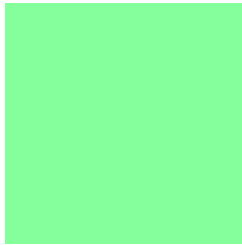
27.5060, 13.4917, 32.3789



2.7141, 1.3280, 3.3419

Previews

White Background



This preview shows how the XYZ color 51.1921, 78.7921, 43.5206 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 51.1921, 78.7921, 43.5206 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

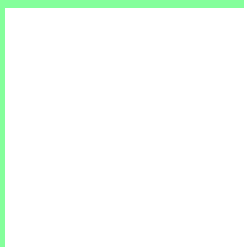
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.1921, 78.7921, 43.5206

Background



This preview shows how black text looks on a background with the XYZ color 51.1921, 78.7921, 43.5206.

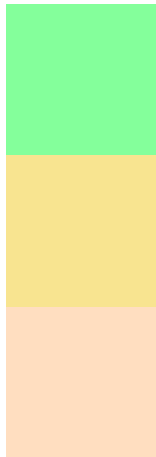


This preview shows how white text looks on a background with the XYZ color 51.1921, 78.7921,

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

51.1921, 78.7921, 43.5206

Protanopia

71.4888, 77.4569, 37.5684

Deuteranopia

76.8757, 77.3083, 60.7394



Tritanopia

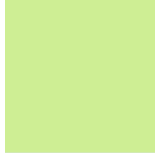
66.5957, 78.0670, 106.1662

Trichromacy



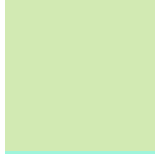
Original Color

51.1921, 78.7921, 43.5206



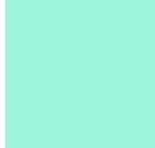
Protanomaly

61.3734, 76.4090, 39.5307



Deuteranomaly

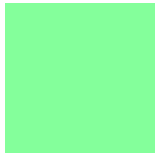
64.1378, 75.8019, 53.8986



Tritanomaly

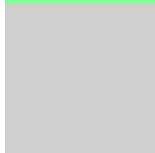
59.7367, 77.7902, 78.8844

Monochromacy



Original Color

51.1921, 78.7921, 43.5206



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

54.5551, 66.6454, 57.5654

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1921, 78.7921, 43.5206 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(132, 255, 155)` looks like.

```
.text, #text, p{  
    color:rgb(132, 255, 155)  
}
```

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(132, 255, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 255, 155) }
```

Border

The CSS property to change the border of an element to XYZ 51.1921, 78.7921, 43.5206 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(132, 255, 155) }
```


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

```
.border{ border-color:rgb(132, 255, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 255, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 255, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 255, 155);  
box-shadow:4px 4px 4px 4px rgb(132, 255,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1921, 78.7921, 43.5206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 255, 155) }
```

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

```
.background{ background-color: rgb(132,  
255, 155) }
```

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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