

Converting Colors

XYZ(45.7830, 43.7551, 98.9803)

Have a look what the booklet for
XYZ(45.7830, 43.7551, 98.9803)
contains.

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Color

**XYZ(45.8101, 43.7513,
98.9589)**

Conversions

Conversions Part 1

Format	Color
Hex	99ADFD
RGB	153, 173, 253
RGB Percent	60%, 68%, 99%
CMY	0.4000, 0.3216, 0.0078
CMYK	0.40, 0.32, 0.00, 0.01
HSL	228°, 96%, 80%
HSV	228°, 40%, 99%
XYZ	45.8101, 43.7513, 98.9589
YIQ	176.1400, -37.6000, 20.6400

Conversions

Conversions Part 2

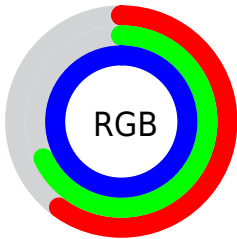
Format	Color
RYB	153, 170, 253
Decimal	10071549
CIELab	72.06, 12.45, -41.90
CIELCh	72, 43.707, 286.543
Yxy	43.7513, 0.2430, 0.2321
Android (android.graphics.Color)	4288261629 (0xFF99ADFD)
YUV	176.1400, 37.8920, -20.2938
Hunter-Lab	66.1448, 7.8710, -42.4022

Details

The XYZ color **45.8101, 43.7513, 98.9589** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **75.3982, 81.4622, 41.8889**, and the grayscale version is **41.1638, 43.3075, 47.1619**.

A 20% lighter version of the original color is **72.3717, 76.4084, 105.5416**, and **21.7309, 20.2017, 54.9785** is the 20% darker color. If you saturate the color by 10%, you get **37.9399, 34.3631, 97.5624**, and if you desaturate by 10%, it is **55.2837, 54.8406, 100.6008**.

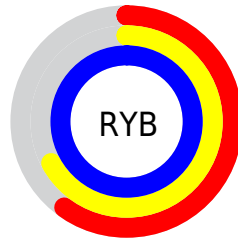
Distribution



Red (60%)

Green (68%)

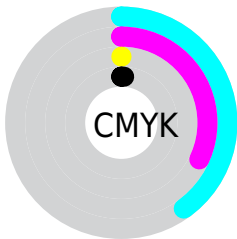
Blue (99%)



Red (60%)

Yellow (67%)

Blue (99%)

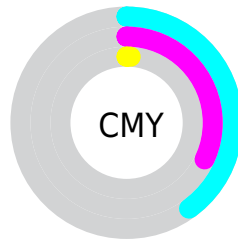


Cyan (40%)

Magenta (32%)

Yellow (0%)

Black (1%)



Cyan (40%)

Magenta (32%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.8101, 43.7513, 98.9589 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 45.8101, 43.7513, 98.9589 by changing the saturation by 10% instead.

■ 45.8101, 43.7513,
98.9589

■ 45.8101, 43.7513,
98.9589

360.7734,
361.6924, 578.0678

■ 32.3000, 30.4750,
74.8193

■ 83.1643, 80.8434,
161.7651

■ 21.7474, 20.1994,
54.9640

■ 107.7392,
105.4280, 201.2688

■ 13.7870, 12.5401,
38.9745

136.7329,
134.5508, 246.7310

■ 8.0534, 7.1126,
26.4322

170.5110,
168.5963, 298.5702

■ 4.1812, 3.5326,
16.9186

209.4387,
207.9488, 357.2049

■ 1.8051, 1.4157,
10.0151

253.8815,

■ 0.5208, 0.2283,

252.9927, 423.0537

5.3033

304.2046,
304.1125, 496.5352

■ 0.0000, 0.0000,
2.3644

■ 0.0000, 0.0000,
0.7670

■ 45.8101, 43.7513,
98.9589

■ 45.8101, 43.7513,
98.9589

■ 37.9399, 34.3631,
97.5624

■ 55.2837, 54.8406,
100.6008

■ 31.5775, 26.5849,
96.3964

■ 66.4395, 67.7057,
102.4961

■ 26.6241, 20.3247,
95.4491

■ 79.3568, 82.4228,
104.6560

■ 22.9666, 15.4783,
94.7065

■ 94.1084, 99.0624,
107.0902

■ 20.4733, 11.9273,
94.1525

94.7298, 99.8719,
107.2137

■ 18.9533, 9.5167,
93.7673

■ 18.8961, 9.4246,
93.7525

Harmonies

Analogous

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



38.3301, 43.7513, 99.8955



45.8101, 43.7513, 98.9589



52.9076, 43.7513, 81.9068

Triad

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



45.8101, 43.7513, 98.9589



52.2678, 43.7513, 23.5800



29.1198, 43.7513, 38.6909

Complementary

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



45.8101, 43.7513, 98.9589



75.3982, 81.4622, 41.8889

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.



32.0042, 43.7513, 24.5740



45.8101, 43.7513, 98.9589



45.0176, 43.7513, 17.7832

Square

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



45.8101, 43.7513, 98.9589



56.9306, 43.7513, 36.8575



37.6267, 43.7513, 18.0822



29.2780, 43.7513, 60.3382

Rectangle

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



45.8101, 43.7513, 98.9589



56.2032, 43.7513, 65.9622



37.6267, 43.7513, 18.0822



29.7494, 43.7513, 33.0663

Sweetspot

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



45.8117, 43.7529, 98.9599



77.3563, 80.0146, 105.9750



62.9716, 82.9072, 89.7758



16.1801, 16.6973, 22.6201



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.



45.8117, 43.7529, 98.9599



40.4844, 37.2205, 99.6583



48.6511, 39.9436, 98.0750



17.2971, 17.9659, 22.8061



10.1326, 5.1748, 49.8994



1.0591, 0.6488, 4.8827

Inverse Universe

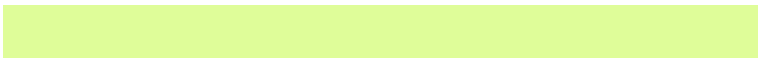
The Inverse Universe completely reimagines the original color for something new.



59.4435, 46.6841, 45.4146



56.1932, 41.1372, 37.8335



71.3078, 88.2395, 43.4126



18.1579, 18.0465, 19.4485



21.9027, 11.2504, 2.8719



2.1692, 1.1100, 0.4723

Previews

White Background



This preview shows how the XYZ color 45.8101, 43.7513, 98.9589 looks on a white background.

Color Contrast Check

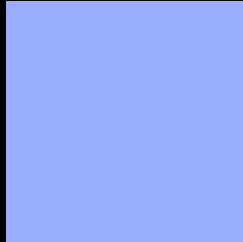
Large Text (above 18pt) WCAG AA × Fail

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 45.8101, 43.7513, 98.9589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

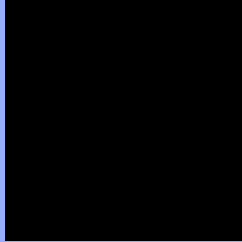
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.8101, 43.7513, 98.9589

Background



This preview shows how black text looks on a background with the XYZ color 45.8101, 43.7513, 98.9589.



This preview shows how white text looks on a background with the XYZ color 45.8101, 43.7513,

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

45.8101, 43.7513, 98.9589

Protanopia

45.6282, 43.9433, 99.0055

Deuteranopia

45.0922, 43.9548, 99.0360



Tritanopia

37.9810, 43.8472, 59.8876

Trichromacy



Original Color

45.8101, 43.7513, 98.9589

Protanomaly

45.8146, 44.0394, 99.0143

Deuteranomaly

45.2601, 43.7535, 98.9883

Tritanomaly

40.4777, 43.6338, 72.6184

Monochromacy



Original Color

45.8101, 43.7513, 98.9589

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

42.3775, 43.3444, 63.2595

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8101, 43.7513, 98.9589 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(153, 173, 253)` looks like.

```
.text, #text, p{  
    color:rgb(153, 173, 253)  
}
```

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(153, 173, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 173, 253) }
```

Border

The CSS property to change the border of an element to XYZ 45.8101, 43.7513, 98.9589 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(153, 173, 253) }
```


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

```
.border{ border-color:rgb(153, 173, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 173, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 173, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 173, 253);  
box-shadow:4px 4px 4px 4px rgb(153, 173,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8101, 43.7513, 98.9589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 173, 253) }
```

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

```
.background{ background-color: rgb(153,  
173, 253) }
```

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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