

Converting Colors

XYZ(50.4700, 44.9850, 93.4587)

Have a look what the booklet for
XYZ(50.4700, 44.9850, 93.4587)
contains.

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Color

**XYZ(50.4043, 44.8494,
93.1890)**

Conversions

Conversions Part 1

Format	Color
Hex	B8A8F6
RGB	184, 168, 246
RGB Percent	72%, 66%, 96%
CMY	0.2784, 0.3412, 0.0353
CMYK	0.25, 0.32, 0.00, 0.04
HSL	252°, 81%, 81%
HSV	252°, 32%, 96%
XYZ	50.4043, 44.8494, 93.1890
YIQ	181.6760, -15.5020, 27.6500

Conversions

Conversions Part 2

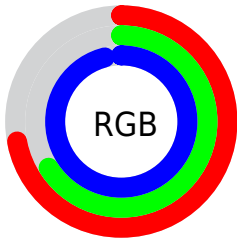
Format	Color
RYB	184, 168, 246
Decimal	12101878
CIELab	72.79, 21.99, -36.80
CIELCh	73, 42.865, 300.857
Yxy	44.8494, 0.2675, 0.2380
Android (android.graphics.Color)	4290291958 (0xFFB8A8F6)
YUV	181.6760, 31.7117, 2.0381
Hunter-Lab	66.9697, 17.1499, -35.6238

Details

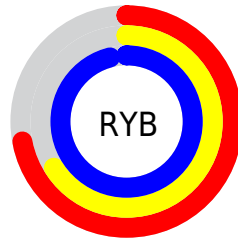
The XYZ color **50.4043, 44.8494, 93.1890** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **72.6580, 85.5627, 49.7333**, and the grayscale version is **44.1278, 46.4258, 50.5577**.

A 20% lighter version of the original color is **80.7133, 78.6961, 105.5436**, and **24.4840, 20.8320, 50.8747** is the 20% darker color. If you saturate the color by 10%, you get **41.9205, 34.3605, 91.6124**, and if you desaturate by 10%, it is **60.3977, 57.3937, 95.0843**.

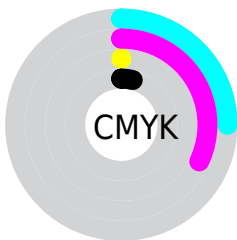
Distribution



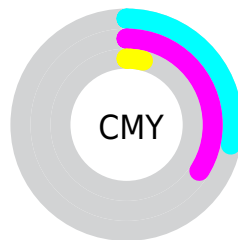
- Red (72%)
- Green (66%)
- Blue (96%)



- Red (72%)
- Yellow (66%)
- Blue (96%)



- Cyan (25%)
- Magenta (32%)
- Yellow (0%)
- Black (4%)



- Cyan (28%)
- Magenta (34%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.4043, 44.8494, 93.1890 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 50.4043, 44.8494, 93.1890 by changing the saturation by 10% instead.

50.4043, 44.8494,
93.1890

50.4043, 44.8494,
93.1890

378.6708,
366.1633, 559.1864

35.9539, 31.3388,
70.0401

89.9619, 82.4944,
153.7342

24.5685, 20.8570,
51.0822

115.7997,
107.3976, 191.9676

15.8829, 13.0195,
35.8968

146.1640,
136.8671, 236.0662

9.5316, 7.4420,
24.0655

181.4202,
171.2873, 286.4485

5.1494, 3.7400,
15.1695

221.9337,
211.0426, 343.5332

2.3709, 1.5292,
8.7905

268.0697,

0.8306, 0.3092,

256.5175, 407.7387

4.5099

320.1936,
308.0962, 479.4836

■ 0.0000, 0.0000,
1.9090

■ 0.0000, 0.0000,
0.4985

■ 50.4043, 44.8494,
93.1890

■ 50.4043, 44.8494,
93.1890

■ 41.9205, 34.3605,
91.6124

■ 60.3977, 57.3937,
95.0843

■ 34.8667, 25.8110,
90.3339

■ 71.9657, 72.0903,
97.3114

■ 29.1628, 19.0812,
89.3355

■ 85.1751, 89.0366,
99.8861

■ 24.7187, 14.0358,
88.5959

■ 93.6347, 99.4339,
101.4471

■ 21.4324, 10.5204,
88.0906

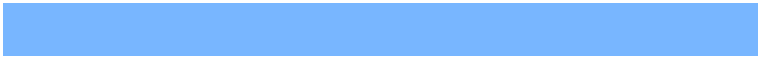
■ 19.1848, 8.3505,
87.7902

■ 17.9729, 7.3438,
87.6598

Harmonies

Analogous

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



42.8426, 44.8494, 102.4031



50.4043, 44.8494, 93.1890



56.4014, 44.8494, 71.6573

Triad

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



50.4043, 44.8494, 93.1890



49.9905, 44.8494, 21.0537



29.8506, 44.8494, 49.4495

Complementary

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



50.4043, 44.8494, 93.1890



72.6580, 85.5627, 49.7333

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.



31.3021, 44.8494, 31.4572



50.4043, 44.8494, 93.1890



42.4141, 44.8494, 18.2295

Square

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



50.4043, 44.8494, 93.1890



56.1436, 44.8494, 30.6712



35.6957, 44.8494, 21.4059



31.4768, 44.8494, 73.0384

Rectangle

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



50.4043, 44.8494, 93.1890



58.3903, 44.8494, 55.6456



35.6957, 44.8494, 21.4059



29.9931, 44.8494, 42.6011

Sweetspot

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



50.4058, 44.8512, 93.1900



80.3800, 81.1521, 106.0352



61.1926, 71.7965, 97.8225



16.7945, 16.8457, 22.6163



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.



50.4058, 44.8512, 93.1900



48.6486, 41.1701, 99.9903



60.9469, 50.2853, 93.6833



15.8987, 16.0904, 20.8104



9.6850, 3.9671, 46.7933



0.9324, 0.3905, 4.1165

Inverse Universe

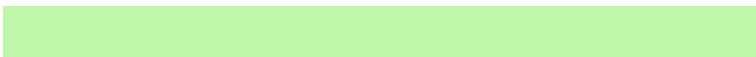
The Inverse Universe completely reimagines the original color for something new.



66.2929, 53.3129, 81.6606



68.4972, 51.7531, 85.0700



61.6116, 79.8681, 49.2164



17.0595, 16.7066, 20.0597



25.6288, 12.5949, 29.0832



2.2884, 1.1213, 2.7451

Previews

White Background



This preview shows how the XYZ color 50.4043, 44.8494, 93.1890 looks on a white background.

Color Contrast Check

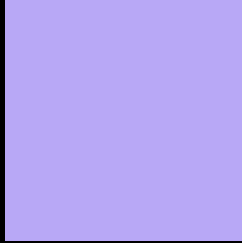
Large Text (above 18pt) WCAG AA × Fail

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 50.4043, 44.8494, 93.1890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

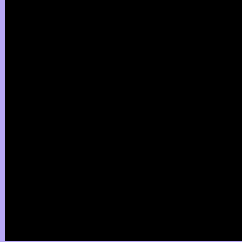
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.4043, 44.8494, 93.1890

Background



This preview shows how black text looks on a background with the XYZ color 50.4043, 44.8494, 93.1890.



This preview shows how white text looks on a background with the XYZ color 50.4043, 44.8494,

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

50.4043, 44.8494, 93.1890

Protanopia

46.6136, 45.0475, 98.3337

Deuteranopia

45.9550, 44.8514, 91.8231



Tritanopia

43.0016, 44.6897, 56.8116

Trichromacy



Original Color

50.4043, 44.8494, 93.1890

Protanomaly

47.9248, 44.8963, 96.5824

Deuteranomaly

47.3614, 44.6952, 92.5170

Tritanomaly

45.3798, 44.4905, 68.4831

Monochromacy



Original Color

50.4043, 44.8494, 93.1890

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

46.2700, 45.9193, 64.1822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4043, 44.8494, 93.1890 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(184, 168, 246)` looks like.

```
.text, #text, p{  
    color:rgb(184, 168, 246)  
}
```

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(184, 168, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 168, 246) }
```

Border

The CSS property to change the border of an element to XYZ 50.4043, 44.8494, 93.1890 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(184, 168, 246) }
```


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

```
.border{ border-color:rgb(184, 168, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 168, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 168, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 168, 246);  
box-shadow:4px 4px 4px 4px rgb(184, 168,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4043, 44.8494, 93.1890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 168, 246) }
```

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

```
.background{ background-color: rgb(184,  
168, 246) }
```

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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