

Converting Colors

XYZ(48.7298, 43.2223, 92.8423)

Have a look what the booklet for
XYZ(48.7298, 43.2223, 92.8423)
contains.

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Color

**XYZ(48.6801, 43.1478,
92.9514)**

Conversions

Conversions Part 1

Format	Color
Hex	B3A5F6
RGB	179, 165, 246
RGB Percent	70%, 65%, 96%
CMY	0.2980, 0.3529, 0.0353
CMYK	0.27, 0.33, 0.00, 0.04
HSL	250°, 82%, 81%
HSV	250°, 33%, 96%
XYZ	48.6801, 43.1478, 92.9514
YIQ	178.4200, -17.6570, 28.1590

Conversions

Conversions Part 2

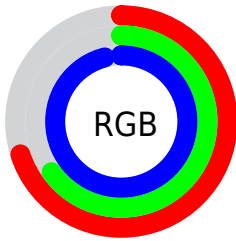
Format	Color
R _Y B	179, 165, 246
Decimal	11773430
CIE Lab	71.66, 22.22, -38.60
CIE LCh	72, 44.536, 299.929
Yxy	43.1478, 0.2634, 0.2335
Android (android.graphics.Color)	4289963510 (0xFFB3A5F6)
YUV	178.4200, 33.3169, 0.5087
Hunter-Lab	65.6870, 17.3327, -37.9184

Details

The XYZ color **48.6801, 43.1478, 92.9514** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **73.0270, 85.7848, 48.3082**, and the grayscale version is **42.3762, 44.5831, 48.5510**.

A 20% lighter version of the original color is **78.2353, 76.2393, 105.1999**, and **23.4026, 19.7695, 50.7265** is the 20% darker color. If you saturate the color by 10%, you get **40.3016, 32.8639, 91.4087**, and if you desaturate by 10%, it is **58.6089, 55.4995, 94.8130**.

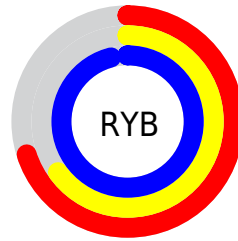
Distribution



Red (70%)

Green (65%)

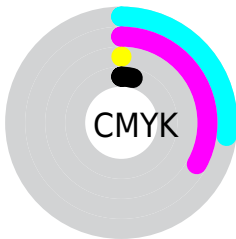
Blue (96%)



Red (70%)

Yellow (65%)

Blue (96%)

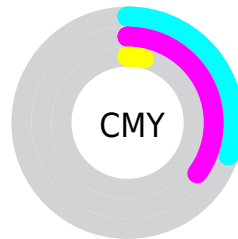


Cyan (27%)

Magenta (33%)

Yellow (0%)

Black (4%)



Cyan (30%)


Magenta (35%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.6801, 43.1478, 92.9514 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 48.6801, 43.1478, 92.9514 by changing the saturation by 10% instead.


 48.6801, 43.1478,
92.9514


 48.6801, 43.1478,
92.9514


372.0195,
359.2192, 558.4015

 34.5793, 30.0011,
69.8437


 87.4197, 79.9338,
153.4024

 23.5040, 19.8394,
50.9231

 112.7892,
104.3420, 191.5828

 15.0888, 12.2784,
35.7711

142.6457,
133.2727, 235.6245

 8.9685, 6.9336,
23.9692

177.3544,
167.1105, 285.9461

 4.7776, 3.4206,
15.0988

217.2808,
206.2396, 342.9660

 2.1508, 1.3550,
8.7413

262.7902,

 0.7166, 0.1832,

251.0445, 407.1029

4.4783

314.2480,
301.9096, 478.7752

■ 0.0000, 0.0000,
1.8913

■ 0.0000, 0.0000,
0.4872

■ 48.6801, 43.1478,
92.9514

■ 48.6801, 43.1478,
92.9514

■ 40.3016, 32.8639,
91.4087

■ 58.6089, 55.4995,
94.8130

■ 33.3895, 24.5288,
90.1642

■ 70.1572, 70.0190,
97.0068

■ 27.8588, 18.0195,
89.1993

■ 83.3952, 86.8057,
99.5493

■ 23.6134, 13.1962,
88.4921

■ 93.6347, 99.4339,
101.4471

■ 20.5445, 9.8987,
88.0173

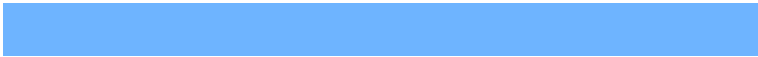
■ 18.5239, 7.9347,
87.7447

■ 17.6109, 7.1571,
87.6428

Harmonies

Analogous

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



40.9926, 43.1478, 101.9563



48.6801, 43.1478, 92.9514



54.8849, 43.1478, 71.0168

Triad

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



48.6801, 43.1478, 92.9514



48.7152, 43.1478, 19.4244



28.1506, 43.1478, 46.9288

Complementary

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



48.6801, 43.1478, 92.9514



73.0270, 85.7848, 48.3082

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.



29.6970, 43.1478, 29.0907



48.6801, 43.1478, 92.9514



41.0288, 43.1478, 16.4840

Square

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



48.6801, 43.1478, 92.9514



54.9069, 43.1478, 29.1559



34.1923, 43.1478, 19.3956



29.6824, 43.1478, 70.8987

Rectangle

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



48.6801, 43.1478, 92.9514



57.0110, 43.1478, 54.6247



34.1923, 43.1478, 19.3956



28.3248, 43.1478, 40.0852

Sweetspot

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



48.6816, 43.1495, 92.9524



80.1092, 81.0125, 106.0225



61.1504, 72.6495, 97.9893



16.7295, 16.8122, 22.6133



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.



48.6816, 43.1495, 92.9524



46.1553, 38.6189, 99.6293



59.3044, 48.6258, 93.4495



15.8481, 16.0643, 20.8080



9.4800, 3.8614, 46.7837



0.9073, 0.3776, 4.1153

Inverse Universe

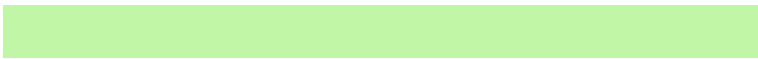
The Inverse Universe completely reimagines the original color for something new.



66.0278, 52.3308, 82.9656



67.9715, 50.1786, 86.5076



61.4868, 79.8356, 47.7681



17.0835, 16.7162, 20.1861



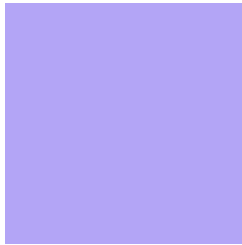
26.1169, 12.7902, 31.6534



2.3271, 1.1368, 2.9489

Previews

White Background



This preview shows how the XYZ color 48.6801, 43.1478, 92.9514 looks on a white background.

Color Contrast Check

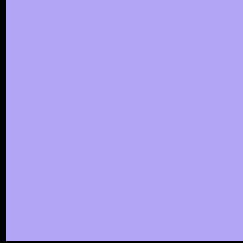
Large Text (above 18pt) WCAG AA × Fail

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 48.6801, 43.1478, 92.9514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

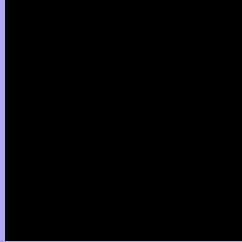
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.6801, 43.1478, 92.9514

Background



This preview shows how black text looks on a background with the XYZ color 48.6801, 43.1478, 92.9514.



This preview shows how white text looks on a background with the XYZ color 48.6801, 43.1478,

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

48.6801, 43.1478, 92.9514

Protanopia

45.0919, 43.3994, 98.0958

Deuteranopia

44.2216, 43.0942, 91.5752



Tritanopia

40.9680, 43.0932, 54.8738

Trichromacy



Original Color

48.6801, 43.1478, 92.9514

Protanomaly

46.3280, 43.2286, 96.3447

Deuteranomaly

45.7564, 43.0234, 92.2789

Tritanomaly

43.3986, 42.9288, 66.9715

Monochromacy



Original Color

48.6801, 43.1478, 92.9514

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

44.0832, 43.6639, 62.6045

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6801, 43.1478, 92.9514 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(179, 165, 246)` looks like.

```
.text, #text, p{  
    color:rgb(179, 165, 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(179, 165, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 165, 246) }
```

Border

The CSS property to change the border of an element to XYZ 48.6801, 43.1478, 92.9514 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(179, 165, 246) }
```


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

```
.border{ border-color:rgb(179, 165, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 165, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 165, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 165, 246);  
box-shadow:4px 4px 4px 4px rgb(179, 165,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6801, 43.1478, 92.9514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 165, 246) }
```

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

```
.background{ background-color: rgb(179,  
165, 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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