

# Converting Colors

XYZ(47.5584, 41.2822, 89.7180)

Have a look what the booklet for  
XYZ(47.5584, 41.2822, 89.7180)  
contains.

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# Color

**XYZ(47.6539, 41.3762,  
89.4792)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5A0F2
RGB	181, 160, 242
RGB Percent	71%, 63%, 95%
CMY	0.2902, 0.3725, 0.0510
CMYK	0.25, 0.34, 0.00, 0.05
HSL	255°, 76%, 79%
HSV	255°, 34%, 95%
XYZ	47.6539, 41.3762, 89.4792
YIQ	175.6270, -13.8060, 29.9540

# Conversions

## Conversions Part 2

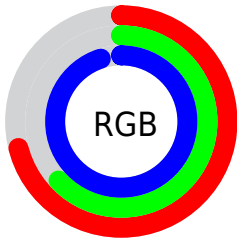
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	181, 160, 242
Decimal	11903218
CIE <sub>Lab</sub>	70.44, 24.63, -38.30
CIE <sub>LCh</sub>	70, 45.539, 302.745
Yxy	41.3762, 0.2670, 0.2318
Android (android.graphics.Color)	4290093298 (0xFFB5A0F2)
YUV	175.6270, 32.7219, 4.7121
Hunter-Lab	64.3243, 19.6720, -37.4491

# Details

The XYZ color **47.6539, 41.3762, 89.4792** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **67.9171, 81.4154, 45.3945**, and the grayscale version is **40.9144, 43.0451, 46.8761**.

A 20% lighter version of the original color is **77.6103, 73.9980, 104.8003**, and **22.8297, 18.7059, 48.8617** is the 20% darker color. If you saturate the color by 10%, you get **39.9080, 31.7505, 88.0302**, and if you desaturate by 10%, it is **56.7646, 52.9194, 91.2278**.

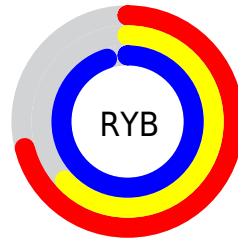
# Distribution



Red (71%)

Green (63%)

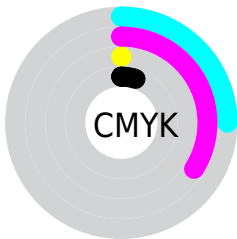
Blue (95%)



Red (71%)

Yellow (63%)

Blue (95%)

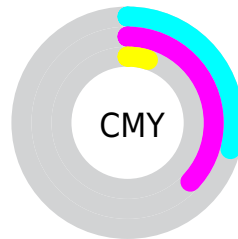


Cyan (25%)

Magenta (34%)

Yellow (0%)

Black (5%)



Cyan (29%)

Magenta (37%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6539, 41.3762, 89.4792 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 47.6539, 41.3762, 89.4792 by changing the saturation by 10% instead.



47.6539, 41.3762,  
89.4792

47.6539, 41.3762,  
89.4792

368.0241,  
351.8905, 546.8616

33.7630, 28.6132,  
66.9775

85.9017, 77.2546,  
148.5440

22.8736, 18.7884,  
48.6049

110.9893,  
101.1388, 185.9441

14.6204, 11.5175,  
33.9427

140.5398,  
129.4989, 229.1475

8.6380, 6.4160,  
22.5726

174.9187,  
162.7192, 278.5726

4.5610, 3.0997,  
14.0759

214.4912,  
201.1841, 334.6380

2.0242, 1.1840,  
8.0341

259.6226,

0.6475, 0.0486,

245.2780, 397.7623

4.0287

310.6785,  
295.3853, 468.3640

■ 0.0000, 0.0000,  
1.6411

■ 0.0000, 0.0000,  
0.3199

■ 47.6539, 41.3762,  
89.4792

■ 47.6539, 41.3762,  
89.4792

■ 39.9080, 31.7505,  
88.0302

■ 56.7646, 52.9194,  
91.2278

■ 33.4544, 23.9314,  
86.8611

■ 67.2992, 66.4727,  
93.2886

■ 28.2198, 17.8044,  
85.9544

■ 79.3184, 82.1286,  
95.6770

■ 24.1218, 13.2392,  
85.2892

■ 92.2999, 98.8159,  
98.2138

■ 21.0662, 10.0858,  
84.8416

■ 93.0272, 99.1909,  
98.2478

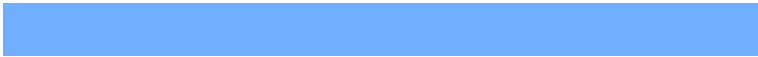
■ 18.9420, 8.1630,  
84.5824

■ 18.0123, 7.4342,  
84.4907

# Harmonies

## Analogous

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



40.0216, 41.3762, 100.1742



47.6539, 41.3762, 89.4792



53.5895, 41.3762, 66.7341

# Triad

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



47.6539, 41.3762, 89.4792



46.3071, 41.3762, 17.4079



26.6100, 41.3762, 47.0588

# Complementary

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



47.6539, 41.3762, 89.4792



67.9171, 81.4154, 45.3945

# 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.



27.8500, 41.3762, 28.6621



47.6539, 41.3762, 89.4792



38.6402, 41.3762, 15.1100

# Square

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



47.6539, 41.3762, 89.4792



52.7451, 41.3762, 26.2017



32.0311, 41.3762, 18.4785



28.4023, 41.3762, 71.2859



# Rectangle

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



47.6539, 41.3762, 89.4792



55.4362, 41.3762, 50.4706



32.0311, 41.3762, 18.4785



26.6863, 41.3762, 40.0351

# Sweetspot

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



47.6553, 41.3778, 89.4802



80.8101, 81.3738, 106.0553



56.5142, 65.8630, 93.7394



16.8979, 16.8990, 22.6212



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.



47.6553, 41.3778, 89.4802



47.2111, 38.5502, 99.5604



58.5703, 47.0047, 89.9910



15.2767, 15.4243, 19.8936



9.7830, 4.0487, 45.3937



0.9031, 0.3828, 3.7805



# Inverse Universe

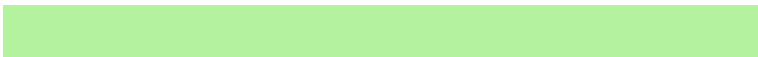
The Inverse Universe completely reimagines the original color for something new.



62.2410, 49.2408, 74.6316



66.2531, 48.8305, 79.4959



57.0376, 75.8068, 44.8853



16.2713, 15.9582, 18.9847



24.1568, 11.9351, 24.5399

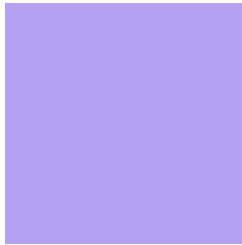


2.0496, 1.0089, 2.2522



# Previews

## White Background



This preview shows how the XYZ color 47.6539, 41.3762, 89.4792 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

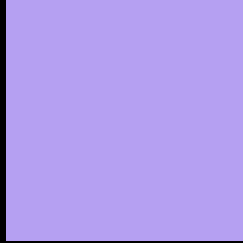
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.6539, 41.3762, 89.4792 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

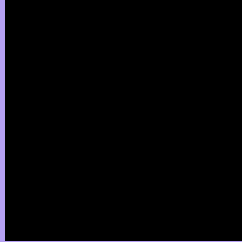
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 47.6539, 41.3762, 89.4792**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.6539, 41.3762, 89.4792.



This preview shows how white text looks on a background with the XYZ color 47.6539, 41.3762,

89.4792.

# 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

47.6539, 41.3762, 89.4792

### Protanopia

43.4841, 41.7626, 96.2116

### Deuteranopia

42.4973, 41.4303, 88.1951



## Tritanopia

39.8974, 41.1747, 51.7436

# Trichromacy



## Original Color

47.6539, 41.3762, 89.4792

## Protanomaly

44.7228, 41.3588, 93.6216

## Deuteranomaly

44.2113, 41.2004, 88.8414

## Tritanomaly

42.4149, 41.0923, 64.0886

# Monochromacy



## Original Color

47.6539, 41.3762, 89.4792

## Achromatopsia

41.2663, 43.4154, 47.2793

## Achromatomaly

43.1601, 42.3846, 60.5498

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.6539, 41.3762, 89.4792 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(181, 160, 242)` looks like.

```
.text, #text, p{  
    color:rgb(181, 160, 242)  
}
```

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(181, 160, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 160, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 47.6539, 41.3762, 89.4792 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(181, 160, 242) }
```



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

```
.border{ border-color:rgb(181, 160, 242) }
```

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

Here you see how a box with a 4 pixel rgb(181, 160, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 160, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 160, 242);  
box-shadow:4px 4px 4px 4px rgb(181, 160,  
242) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.6539, 41.3762, 89.4792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 160, 242) }
```

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

```
.background{ background-color: rgb(181,  
160, 242) }
```

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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