

Converting Colors

XYZ(63.9076, 44.1894, 78.5599)

Have a look what the booklet for
XYZ(63.9076, 44.1894, 78.5599)
contains.

XYZ(63.9076, 44.1894, 78.5599)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(63.9076, 44.1894,
78.5599)**

Conversions

Conversions Part 1

Format	Color
Hex	FF87E4
RGB	255, 135, 228
RGB Percent	100%, 53%, 89%
CMY	0.0000, 0.4706, 0.1059
CMYK	0.00, 0.47, 0.11, 0.00
HSL	314°, 100%, 76%
HSV	314°, 47%, 100%
XYZ	63.9076, 44.1894, 78.5599
YIQ	181.4820, 41.6670, 54.3630

Conversions

Conversions Part 2

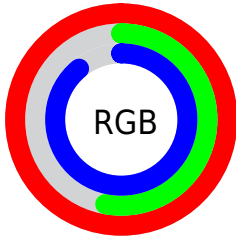
Format	Color
R_{YB}	255, 135, 228
Decimal	16746468
CIE _{Lab}	72.35, 57.19, -27.05
CIE _{LCh}	72, 63.266, 334.692
Yxy	44.1894, 0.3424, 0.2367
Android (android.graphics.Color)	4294936548 (0xFFFF87E4)
YUV	181.4820, 22.9334, 64.4753
Hunter-Lab	66.4751, 55.2742, -23.5360

Details

The XYZ color **63.9076, 44.1894, 78.5599** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **52.2748, 79.2803, 46.7325**, and the grayscale version is **44.0469, 46.3408, 50.4652**.

A 20% lighter version of the original color is **77.9208, 65.7416, 103.1903**, and **33.0800, 20.4516, 41.2338** is the 20% darker color. If you saturate the color by 10%, you get **59.9830, 37.5937, 73.3872**, and if you desaturate by 10%, it is **68.7125, 52.5031, 84.1576**.

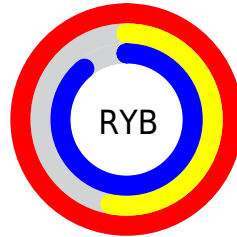
Distribution



Red (100%)

Green (53%)

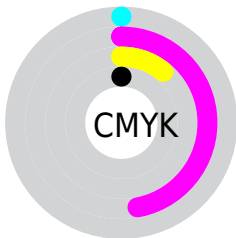
Blue (89%)



Red (100%)

Yellow (53%)

Blue (89%)

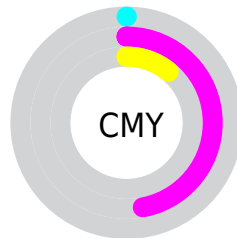


Cyan (0%)

Magenta (47%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (47%)

Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.9076, 44.1894, 78.5599 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 63.9076, 44.1894, 78.5599 by changing the saturation by 10% instead.


 63.9076, 44.1894,
78.5599

 63.9076, 44.1894,
78.5599


428.4634,
363.4806, 509.6444


 46.8372, 30.8194,
58.0149

 109.5523, 81.5027,
133.1321

 33.1144, 20.4614,
41.4058


 138.8574,
106.2148, 167.9964

 22.3738, 12.7309,
28.3142


 172.9715,
135.4764, 208.4709

 14.2499, 7.2435,
18.3216

212.2598,
169.6718, 254.9740

 8.3776, 3.6148,
11.0093

257.0878,
209.1856, 307.9244

 4.3913, 1.4605,
5.9588

307.8209,

 1.9258, 0.2607,

254.4021, 367.7406

2.7517

364.8243,
305.7056, 434.8411

■ 0.5918, 0.0000,
0.9693

■ 0.0000, 0.0000,
0.0000

■ 63.9076, 44.1894,
78.5599

■ 63.9076, 44.1894,
78.5599

■ 59.9830, 37.5937,
73.3872

■ 68.7125, 52.5031,
84.1576

■ 56.8736, 32.5867,
68.6148

■ 74.4507, 62.6407,
90.1975

■ 54.5100, 29.0299,
64.2190

■ 81.1744, 74.7062,
96.6988

■ 52.8095, 26.7583,
60.1709

■ 88.9310, 88.7941,
103.6784

■ 51.6666, 25.5610, 95.0500, 100.0000,
56.4339 108.9000

■ 51.3897, 25.3199,
55.3774

Harmonies

Analogous

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



55.0763, 44.1894, 116.1516



63.9076, 44.1894, 78.5599



66.5069, 44.1894, 43.3757

Triad

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



63.9076, 44.1894, 78.5599



40.3116, 44.1894, 9.6864



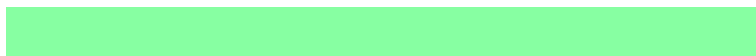
27.0339, 44.1894, 90.9353

Complementary

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



63.9076, 44.1894, 78.5599



52.2748, 79.2803, 46.7325

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.



24.4024, 44.1894, 53.1870



63.9076, 44.1894, 78.5599



31.1780, 44.1894, 13.7403

Square

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



63.9076, 44.1894, 78.5599



51.5991, 44.1894, 11.7216



25.7774, 44.1894, 26.7688



33.6731, 44.1894, 125.2015

Rectangle

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



63.9076, 44.1894, 78.5599



64.0335, 44.1894, 27.1657



25.7774, 44.1894, 26.7688



25.7088, 44.1894, 77.7530

Sweetspot

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



63.9086, 44.1912, 78.5608



83.4333, 78.7931, 98.7804



41.4138, 32.1273, 98.6262



17.5147, 16.2432, 20.8275



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.



63.9086, 44.1912, 78.5608



60.3579, 38.2132, 73.9143



57.0667, 41.4545, 42.5322



18.6075, 18.2263, 21.8160



26.9113, 13.2538, 29.2473



2.6611, 1.3068, 3.0628

Inverse Universe

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



63.9086, 44.1912, 78.5608



60.3579, 38.2132, 73.9143



58.8041, 81.8920, 81.1153



18.6075, 18.2263, 21.8160



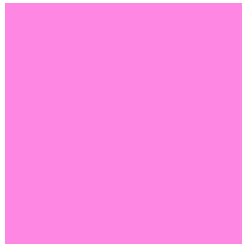
26.9113, 13.2538, 29.2473



2.6611, 1.3068, 3.0628

Previews

White Background



This preview shows how the XYZ color 63.9076, 44.1894, 78.5599 looks on a white background.

Color Contrast Check

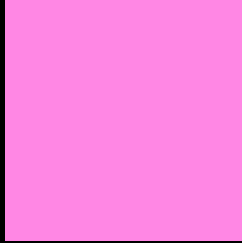
Large Text (above 18pt) WCAG AA × Fail

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 63.9076, 44.1894, 78.5599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

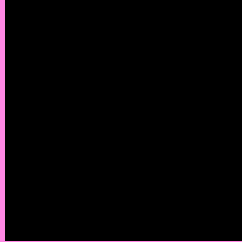
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.9076, 44.1894, 78.5599

Background



This preview shows how black text looks on a background with the XYZ color 63.9076, 44.1894, 78.5599.



This preview shows how white text looks on a background with the XYZ color 63.9076, 44.1894,

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

63.9076, 44.1894, 78.5599

Protanopia

46.3289, 44.5553, 100.7660

Deuteranopia

45.4208, 44.3768, 74.5783



Tritanopia

55.6971, 44.1601, 39.3064

Trichromacy



Original Color

63.9076, 44.1894, 78.5599



Protanomaly

50.0385, 42.5530, 91.9624



Deuteranomaly

50.6540, 43.2199, 76.1935



Tritanomaly

58.3067, 44.0776, 51.3337

Monochromacy



Original Color

63.9076, 44.1894, 78.5599



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

49.4809, 44.0380, 59.3183

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.9076, 44.1894, 78.5599 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(255, 135, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 135, 228)  
}
```

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(255, 135, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 135, 228) }
```

Border

The CSS property to change the border of an element to XYZ 63.9076, 44.1894, 78.5599 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(255, 135, 228) }
```


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

```
.border{ border-color:rgb(255, 135, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 135, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 135, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 135, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 135,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9076, 44.1894, 78.5599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 135, 228) }
```

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

```
.background{ background-color: rgb(255,  
135, 228) }
```

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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