

Converting Colors

XYZ(65.5103, 44.1670, 89.0729)

Have a look what the booklet for
XYZ(65.5103, 44.1670, 89.0729)
contains.

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Color

**XYZ(65.5183, 44.1733,
89.0775)**

Conversions

Conversions Part 1

Format	Color
Hex	FF84F2
RGB	255, 132, 242
RGB Percent	100%, 52%, 95%
CMY	0.0000, 0.4823, 0.0510
CMYK	0.00, 0.48, 0.05, 0.00
HSL	306°, 100%, 76%
HSV	306°, 48%, 100%
XYZ	65.5183, 44.1733, 89.0775
YIQ	181.3170, 37.9980, 60.2860

Conversions

Conversions Part 2

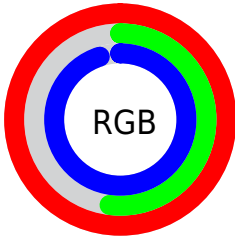
Format	Color
RYB	255, 132, 242
Decimal	16745714
CIELab	72.34, 60.89, -34.74
CIELCh	72, 70.101, 330.296
Yxy	44.1733, 0.3296, 0.2222
Android (android.graphics.Color)	4294935794 (0xFFFF84F2)
YUV	181.3170, 29.9167, 64.6200
Hunter-Lab	66.4630, 59.6526, -32.9397

Details

The XYZ color **65.5183, 44.1733, 89.0775** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **50.3879, 78.4705, 39.2808**, and the grayscale version is **43.9224, 46.2098, 50.3225**.

A 20% lighter version of the original color is **77.4876, 64.8752, 103.0459**, and **34.2123, 20.4498, 48.5984** is the 20% darker color. If you saturate the color by 10%, you get **62.0715, 37.9228, 85.9466**, and if you desaturate by 10%, it is **69.8178, 52.1196, 92.5232**.

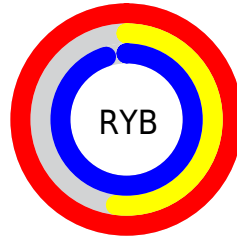
Distribution



Red (100%)

Green (52%)

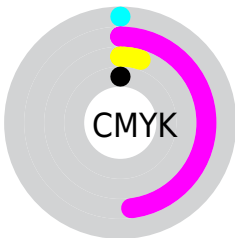
Blue (95%)



Red (100%)

Yellow (52%)

Blue (95%)

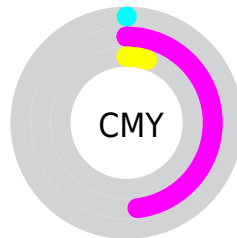


Cyan (0%)

Magenta (48%)

Yellow (5%)

Black (0%)



Cyan (0%)


Magenta (48%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.5183, 44.1733, 89.0775 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 65.5183, 44.1733, 89.0775 by changing the saturation by 10% instead.


 65.5183, 44.1733,
89.0775


 65.5183, 44.1733,
89.0775


434.1680,
363.4150, 545.5179

 48.1477, 30.8068,
66.6464

 111.8563, 81.4785,
147.9806

 34.1556, 20.4518,
48.3375


 141.5543,
106.1859, 185.2897

 23.1766, 12.7239,
33.7324


 176.0923,
135.4424, 228.3953

 14.8454, 7.2387,
22.4124

215.8356,
169.6324, 277.7157

 8.7966, 3.6118,
13.9590

261.1494,
209.1402, 333.6697

 4.6648, 1.4589,
7.9537

312.3992,

 2.0847, 0.2595,

254.3503, 396.6757

3.9780

369.9503,
305.6471, 467.1522

■ 0.6809, 0.0000,
1.6133

■ 0.0000, 0.0000,
0.3003

■ 65.5183, 44.1733,
89.0775

■ 65.5183, 44.1733,
89.0775

■ 62.0715, 37.9228,
85.9466

■ 69.8178, 52.1196,
92.5232

■ 59.4121, 33.2374,
83.1069

■ 75.0237, 61.8690,
96.3001

■ 57.4695, 29.9764,
80.5353

■ 81.1883, 73.5265,
100.4262

■ 56.1594, 27.9708,
78.2036

■ 88.3593, 87.1870,
104.9176

■ 55.3655, 26.9885, 95.0500, 100.0000,
76.0729 108.9000

■ 55.2504, 26.8642,
75.7077

Harmonies

Analogous

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



54.8029, 44.1733, 131.2378



65.5183, 44.1733, 89.0775



69.7031, 44.1733, 47.7545

Triad

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



65.5183, 44.1733, 89.0775



41.8656, 44.1733, 7.5642



24.9783, 44.1733, 89.9779

Complementary

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



65.5183, 44.1733, 89.0775



50.3879, 78.4705, 39.2808

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.



22.8048, 44.1733, 48.4416



65.5183, 44.1733, 89.0775



31.3406, 44.1733, 10.5259

Square

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



65.5183, 44.1733, 89.0775



54.5551, 44.1733, 10.4017



24.8936, 44.1733, 22.1252



31.5119, 44.1733, 131.9098

Rectangle

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



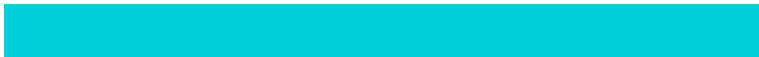
65.5183, 44.1733, 89.0775



67.7044, 44.1733, 28.5438



24.8936, 44.1733, 22.1252



23.7765, 44.1733, 75.0055

Sweetspot

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



65.5192, 44.1750, 89.0784



84.0982, 79.0591, 102.2819



37.8571, 29.6810, 98.3415



17.6781, 16.3086, 21.6883



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.



65.5192, 44.1750, 89.0784



62.1426, 38.0500, 86.0161



57.8535, 41.1087, 48.7113



18.7051, 18.2653, 22.3300



28.9030, 14.0505, 39.7351



2.8370, 1.3772, 3.9888

Inverse Universe

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



65.5192, 44.1750, 89.0784



62.1426, 38.0500, 86.0161



56.3933, 80.8727, 70.9045



18.7051, 18.2653, 22.3300



28.9030, 14.0505, 39.7351



2.8370, 1.3772, 3.9888

Previews

White Background



This preview shows how the XYZ color 65.5183, 44.1733, 89.0775 looks on a white background.

Color Contrast Check

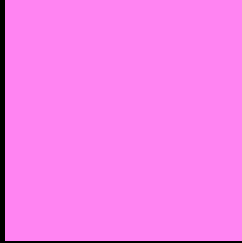
Large Text (above 18pt) WCAG AA × Fail

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 65.5183, 44.1733, 89.0775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

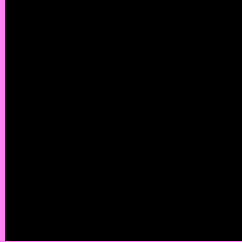
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.5183, 44.1733, 89.0775

Background



This preview shows how black text looks on a background with the XYZ color 65.5183, 44.1733, 89.0775.



This preview shows how white text looks on a background with the XYZ color 65.5183, 44.1733,

89.0775.

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

65.5183, 44.1733, 89.0775

Protanopia

46.1425, 44.4593, 100.7573

Deuteranopia

45.4911, 44.4930, 84.0323



Tritanopia

55.0841, 43.8338, 39.7399

Trichromacy



Original Color

65.5183, 44.1733, 89.0775



Protanomaly

50.6397, 42.5172, 95.9801



Deuteranomaly

50.7102, 42.7810, 85.7056



Tritanomaly

58.2934, 43.5462, 54.6231

Monochromacy



Original Color

65.5183, 44.1733, 89.0775



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

49.8891, 43.9161, 62.3471

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.5183, 44.1733, 89.0775 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, 132, 242)` looks like.

```
.text, #text, p{  
    color:rgb(255, 132, 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(255, 132, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 132, 242) }
```

Border

The CSS property to change the border of an element to XYZ 65.5183, 44.1733, 89.0775 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, 132, 242) }
```


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

```
.border{ border-color:rgb(255, 132, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 132, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 132, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 132, 242);  
box-shadow:4px 4px 4px 4px rgb(255, 132,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 65.5183, 44.1733, 89.0775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 132, 242) }
```

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

```
.background{ background-color: rgb(255,  
132, 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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