

Converting Colors

XYZ(70.6416, 47.9886, 87.4442)

Have a look what the booklet for
XYZ(70.6416, 47.9886, 87.4442)
contains.

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Color

**XYZ(65.7656, 45.3833,
86.9550)**

Conversions

Conversions Part 1

Format	Color
Hex	FF89EF
RGB	255, 137, 239
RGB Percent	100%, 54%, 94%
CMY	0.0000, 0.4627, 0.0627
CMYK	0.00, 0.46, 0.06, 0.00
HSL	308°, 100%, 77%
HSV	308°, 46%, 100%
XYZ	65.7656, 45.3833, 86.9550
YIQ	183.9100, 37.5860, 56.7380

Conversions

Conversions Part 2

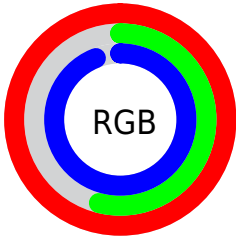
Format	Color
R_{YB}	255, 137, 239
Decimal	16746991
CIE _{Lab}	73.14, 58.00, -31.86
CIE _{LCh}	73, 66.174, 331.219
Yxy	45.3833, 0.3320, 0.2291
Android (android.graphics.Color)	4294937071 (0xFFFF89EF)
YUV	183.9100, 27.1594, 62.3459
Hunter-Lab	67.3671, 56.3640, -29.3724

Details

The XYZ color **65.7656, 45.3833, 86.9550** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **51.8278, 79.1390, 42.6831**, and the grayscale version is **45.3519, 47.7138, 51.9603**.

A 20% lighter version of the original color is **78.3600, 66.6199, 103.3367**, and **34.3295, 21.1892, 47.0803** is the 20% darker color. If you saturate the color by 10%, you get **62.0539, 38.7693, 83.2220**, and if you desaturate by 10%, it is **70.3457, 53.7178, 91.0268**.

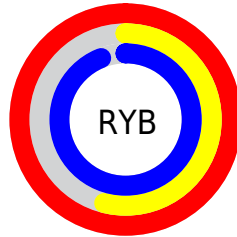
Distribution



Red (100%)

Green (54%)

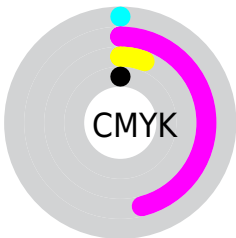
Blue (94%)



Red (100%)

Yellow (54%)

Blue (94%)

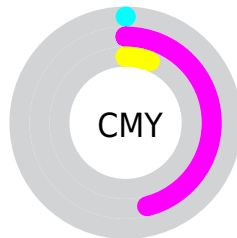


Cyan (0%)

Magenta (46%)

Yellow (6%)

Black (0%)



Cyan (0%)


Magenta (46%)


Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.7656, 45.3833, 86.9550 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 65.7656, 45.3833, 86.9550 by changing the saturation by 10% instead.


 65.7656, 45.3833,
86.9550


 65.7656, 45.3833,
86.9550


435.0400,
368.3237, 538.3874


 48.3491, 31.7594,
64.8986

 112.2094, 83.2953,
144.9997

 34.3159, 21.1778,
46.9280


 141.9675,
108.3522, 181.8251

 23.3004, 13.2540,
32.6248


 176.5702,
137.9890, 224.4105

 14.9374, 7.6037,
21.5704

216.3829,
172.5899, 273.1745

 8.8615, 3.8424,
13.3463

261.7708,
212.5395, 328.5357

 4.7073, 1.5858,
7.5339

313.0994,

 2.1096, 0.3480,

258.2220, 390.9125

3.7147

370.7340,
310.0220, 460.7236

■ 0.6944, 0.0000,
1.4702

■ 0.0000, 0.0000,
0.1956

■ 65.7656, 45.3833,
86.9550

■ 65.7656, 45.3833,
86.9550

■ 62.0539, 38.7693,
83.2220

■ 70.3457, 53.7178,
91.0268

■ 59.1459, 33.7476,
79.8043

■ 75.8462, 63.8778,
95.4534

■ 56.9735, 30.1814,
76.6794

■ 82.3191, 75.9665,
100.2528

■ 55.4551, 27.9080,
73.8200

■ 89.8111, 90.0778,
105.4409

■ 54.4895, 26.7249, 95.0500, 100.0000,
71.1920 108.9000

■ 54.2145, 26.4498,
70.2526

Harmonies

Analogous

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



55.7486, 45.3833, 126.5633



65.7656, 45.3833, 86.9550



69.4735, 45.3833, 48.0691

Triad

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



65.7656, 45.3833, 86.9550



42.6630, 45.3833, 9.1294



26.7456, 45.3833, 90.4286

Complementary

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



65.7656, 45.3833, 86.9550



51.8278, 79.1390, 42.6831

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.



24.4703, 45.3833, 50.7852



65.7656, 45.3833, 86.9550



32.5846, 45.3833, 12.4620

Square

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



65.7656, 45.3833, 86.9550



54.7798, 45.3833, 11.9278



26.4023, 45.3833, 24.6147



33.2705, 45.3833, 129.1226

Rectangle

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



65.7656, 45.3833, 86.9550



67.4248, 45.3833, 29.7264



26.4023, 45.3833, 24.6147



25.5169, 45.3833, 76.3027

Sweetspot

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



65.7667, 45.3852, 86.9559



83.9302, 78.9918, 101.3969



40.0842, 31.8600, 98.6447



17.6368, 16.2920, 21.4704



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.



65.7667, 45.3852, 86.9559



62.1439, 38.9276, 83.3193



58.4524, 42.4594, 48.4394



18.6805, 18.2555, 22.2004



28.3693, 13.8370, 36.9247



2.7903, 1.3585, 3.7429

Inverse Universe

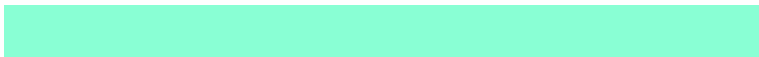
The Inverse Universe completely reimagines the original color for something new.



65.7667, 45.3852, 86.9559



62.1439, 38.9276, 83.3193



57.9279, 81.5790, 74.8059



18.6805, 18.2555, 22.2004



28.3693, 13.8370, 36.9247



2.7903, 1.3585, 3.7429

Previews

White Background



This preview shows how the XYZ color 65.7656, 45.3833, 86.9550 looks on a white background.

Color Contrast Check

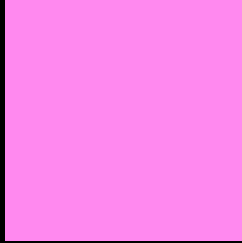
Large Text (above 18pt) WCAG AA × Fail

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 65.7656, 45.3833, 86.9550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

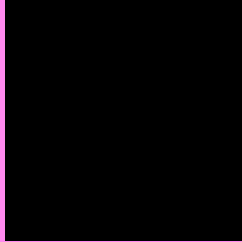
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.7656, 45.3833, 86.9550

Background



This preview shows how black text looks on a background with the XYZ color 65.7656, 45.3833, 86.9550.



This preview shows how white text looks on a background with the XYZ color 65.7656, 45.3833,

86.9550.

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

65.7656, 45.3833, 86.9550

Protanopia

47.4880, 46.0294, 100.9894

Deuteranopia

46.8652, 45.8165, 82.7173



Tritanopia

56.1888, 45.0919, 41.3394

Trichromacy



Original Color

65.7656, 45.3833, 86.9550



Protanomaly

51.6819, 44.1103, 95.4127



Deuteranomaly

52.0031, 44.2563, 84.3987



Tritanomaly

59.0151, 44.8129, 55.4085

Monochromacy



Original Color

65.7656, 45.3833, 86.9550



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

51.2961, 45.6987, 63.2439

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.7656, 45.3833, 86.9550 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, 137, 239)` looks like.

```
.text, #text, p{  
    color:rgb(255, 137, 239)  
}
```

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, 137, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 137, 239) }
```

Border

The CSS property to change the border of an element to XYZ 65.7656, 45.3833, 86.9550 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, 137, 239) }
```


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

```
.border{ border-color:rgb(255, 137, 239) }
```

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

Here you see how a box with a 4 pixel rgb(255, 137, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 137, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 137, 239);  
box-shadow:4px 4px 4px 4px rgb(255, 137,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 65.7656, 45.3833, 86.9550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 137, 239) }
```

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

```
.background{ background-color: rgb(255,  
137, 239) }
```

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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