

Converting Colors

XYZ(117.9895, 71.1892,
90.5981)

Have a look what the booklet for
XYZ(117.9895, 71.1892, 90.5981)
contains.

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Color

**XYZ(65.3684, 44.1134,
88.2885)**

Conversions

Conversions Part 1

Format	Color
Hex	FF84F1
RGB	255, 132, 241
RGB Percent	100%, 52%, 95%
CMY	0.0000, 0.4823, 0.0549
CMYK	0.00, 0.48, 0.05, 0.00
HSL	307°, 100%, 76%
HSV	307°, 48%, 100%
XYZ	65.3684, 44.1134, 88.2885
YIQ	181.2030, 38.3190, 59.9750

Conversions

Conversions Part 2

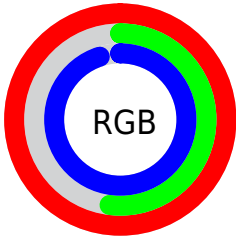
Format	Color
R _{YB}	255, 132, 241
Decimal	16745713
CIE Lab	72.30, 60.72, -34.25
CIE LCh	72, 69.718, 330.575
Yxy	44.1134, 0.3305, 0.2231
Android (android.graphics.Color)	4294935793 (0xFFFF84F1)
YUV	181.2030, 29.4799, 64.7200
Hunter-Lab	66.4179, 59.4480, -32.3209

Details

The XYZ color **65.3684, 44.1134, 88.2885** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **50.4655, 78.5016, 39.6890**, and the grayscale version is **43.8631, 46.1474, 50.2545**.

A 20% lighter version of the original color is **77.4876, 64.8752, 103.0459**, and **34.1063, 20.4074, 48.0404** is the 20% darker color. If you saturate the color by 10%, you get **61.8934, 37.8516, 85.0086**, and if you desaturate by 10%, it is **69.6973, 52.0714, 91.8882**.

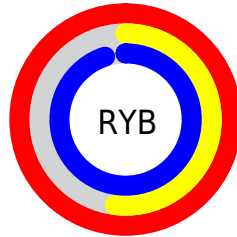
Distribution



Red (100%)

Green (52%)

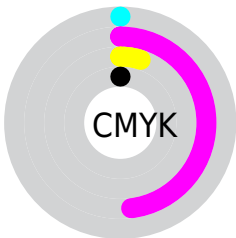
Blue (95%)



Red (100%)

Yellow (52%)

Blue (95%)

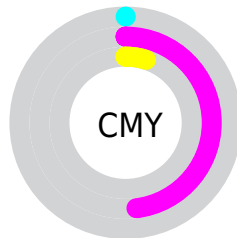


Cyan (0%)

Magenta (48%)

Yellow (5%)

Black (0%)



Cyan (0%)


Magenta (48%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.3684, 44.1134, 88.2885 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 65.3684, 44.1134, 88.2885 by changing the saturation by 10% instead.


 65.3684, 44.1134,
88.2885


 65.3684, 44.1134,
88.2885


433.6390,
363.1708, 542.8733

 48.0257, 30.7597,
65.9963

 111.6421, 81.3884,
146.8734

 34.0586, 20.4159,
47.8130


 141.3038,
106.0784, 184.0032

 23.1017, 12.6977,
33.3199


 175.8025,
135.3159, 226.9160

 14.7897, 7.2207,
22.0985

215.5036,
169.4854, 276.0303

 8.7573, 3.6005,
13.7303

260.7724,
208.9713, 331.7646

 4.6390, 1.4527,
7.7967

311.9744,

 2.0696, 0.2551,

254.1579, 394.5376

3.8792

369.4748,
305.4296, 464.7676

■ 0.6726, 0.0000,
1.5593

■ 0.0000, 0.0000,
0.2615

■ 65.3684, 44.1134,
88.2885

■ 65.3684, 44.1134,
88.2885

■ 61.8934, 37.8516,
85.0086

■ 69.6973, 52.0714,
91.8882

■ 59.2066, 33.1553,
82.0248

■ 74.9333, 61.8330,
95.8240

■ 57.2376, 29.8836,
79.3140

■ 81.1291, 73.5029,
100.1142

■ 55.9020, 27.8679,
76.8479

■ 88.3323, 87.1763,
104.7746

■ 55.0835, 26.8757, 95.0500, 100.0000,
74.5878 108.9000

■ 54.9641, 26.7496,
74.2002

Harmonies

Analogous

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



54.7742, 44.1134, 130.1837



65.3684, 44.1134, 88.2885



69.4448, 44.1134, 47.3723

Triad

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



65.3684, 44.1134, 88.2885



41.6975, 44.1134, 7.6518



25.0557, 44.1134, 90.0223

Complementary

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



65.3684, 44.1134, 88.2885



50.4655, 78.5016, 39.6890

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.



22.8517, 44.1134, 48.6978



65.3684, 44.1134, 88.2885



31.2667, 44.1134, 10.6758

Square

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



65.3684, 44.1134, 88.2885



54.2966, 44.1134, 10.4345



24.8919, 44.1134, 22.3610



31.5974, 44.1134, 131.4763

Rectangle

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



65.3684, 44.1134, 88.2885



67.4092, 44.1134, 28.3739



24.8919, 44.1134, 22.3610



23.8457, 44.1134, 75.1541

Sweetspot

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



65.3694, 44.1152, 88.2894



84.0524, 79.0408, 102.0407



37.8572, 29.6811, 98.3415



17.6668, 16.3041, 21.6289



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.



65.3694, 44.1152, 88.2894



61.9651, 37.9791, 85.0815



57.8536, 41.1088, 48.7114



18.6984, 18.2627, 22.2947



28.7555, 13.9915, 38.9587



2.8241, 1.3720, 3.9210

Inverse Universe

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



65.3694, 44.1152, 88.2894



61.9651, 37.9791, 85.0815



56.3933, 80.8727, 70.9046



18.6984, 18.2627, 22.2947



28.7555, 13.9915, 38.9587



2.8241, 1.3720, 3.9210

Previews

White Background



This preview shows how the XYZ color 65.3684, 44.1134, 88.2885 looks on a white background.

Color Contrast Check

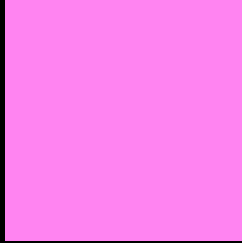
Large Text (above 18pt) WCAG AA × Fail

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 65.3684, 44.1134, 88.2885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

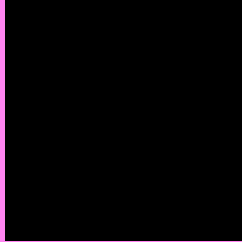
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.3684, 44.1134, 88.2885

Background



This preview shows how black text looks on a background with the XYZ color 65.3684, 44.1134, 88.2885.



This preview shows how white text looks on a background with the XYZ color 65.3684, 44.1134,

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

65.3684, 44.1134, 88.2885

Protanopia

46.1425, 44.4593, 100.7573

Deuteranopia

45.3478, 44.4356, 83.2776



Tritanopia

55.3454, 43.9787, 39.2899

Trichromacy



Original Color

65.3684, 44.1134, 88.2885



Protanomaly

50.6397, 42.5172, 95.9801



Deuteranomaly

50.5644, 42.7227, 84.9382



Tritanomaly

58.1836, 43.5024, 54.0454

Monochromacy



Original Color

65.3684, 44.1134, 88.2885



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 65.3684, 44.1134, 88.2885 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, 241)` looks like.

```
.text, #text, p{  
    color:rgb(255, 132, 241)  
}
```

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, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 132, 241) }
```

Border

The CSS property to change the border of an element to XYZ 65.3684, 44.1134, 88.2885 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, 241) }
```


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

```
.border{ border-color:rgb(255, 132, 241) }
```

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, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 132, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 132, 241);  
box-shadow:4px 4px 4px 4px rgb(255, 132,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 65.3684, 44.1134, 88.2885 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, 241) }
```

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

```
.background{ background-color: rgb(255,  
132, 241) }
```

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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