

Converting Colors

XYZ(63.4297, 44.0317, 75.9402)

Have a look what the booklet for
XYZ(63.4297, 44.0317, 75.9402)
contains.

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Color

**XYZ(63.3585, 43.9698,
75.6687)**

Conversions

Conversions Part 1

Format	Color
Hex	FF87E0
RGB	255, 135, 224
RGB Percent	100%, 53%, 88%
CMY	0.0000, 0.4706, 0.1216
CMYK	0.00, 0.47, 0.12, 0.00
HSL	316°, 100%, 76%
HSV	316°, 47%, 100%
XYZ	63.3585, 43.9698, 75.6687
YIQ	181.0260, 42.9510, 53.1190

Conversions

Conversions Part 2

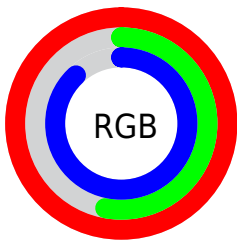
Format	Color
R _Y B	255, 135, 224
Decimal	16746464
CIE Lab	72.21, 56.57, -25.07
CIE LCh	72, 61.874, 336.098
Yxy	43.9698, 0.3462, 0.2403
Android (android.graphics.Color)	4294936544 (0xFFFF87E0)
YUV	181.0260, 21.1862, 64.8752
Hunter-Lab	66.3097, 54.5135, -21.2414

Details

The XYZ color **63.3585, 43.9698, 75.6687** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **52.6362, 79.4248, 48.6356**, and the grayscale version is **43.8092, 46.0907, 50.1928**.

A 20% lighter version of the original color is **77.9208, 65.7416, 103.1903**, and **32.7950, 20.3377, 39.7332** is the 20% darker color. If you saturate the color by 10%, you get **59.3411, 37.3370, 70.0069**, and if you desaturate by 10%, it is **68.2646, 52.3240, 81.7986**.

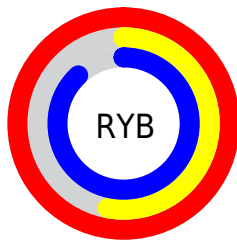
Distribution



Red (100%)

Green (53%)

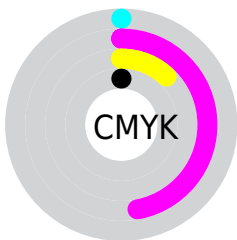
Blue (88%)



Red (100%)

Yellow (53%)

Blue (88%)

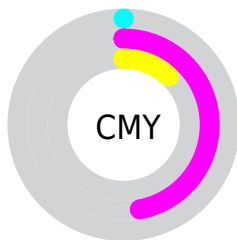


Cyan (0%)

Magenta (47%)

Yellow (12%)

Black (0%)



Cyan (0%)


Magenta (47%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.3585, 43.9698, 75.6687 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 63.3585, 43.9698, 75.6687 by changing the saturation by 10% instead.


 63.3585, 43.9698,
75.6687


 63.3585, 43.9698,
75.6687


426.5084,
362.5850, 499.5295


 46.3910, 30.6468,
55.6559


 108.7655, 81.1723,
129.0143

 32.7604, 20.3300,
39.5249


 137.9357,
105.8206, 163.1841

 22.1013, 12.6352,
26.8574


 171.9042,
135.0127, 202.9100

 14.0484, 7.1778,
17.2346

211.0363,
169.1330, 248.6105

 8.2363, 3.5735,
10.2382

255.6974,
208.5661, 300.7042

 4.2996, 1.4380,
5.4495

306.2529,

 1.8730, 0.2445,

253.6962, 359.6095

2.4500

363.0681,
304.9077, 425.7451

■ 0.5611, 0.0000,
0.8135

■ 0.0000, 0.0000,
0.0000

■ 63.3585, 43.9698,
75.6687

■ 63.3585, 43.9698,
75.6687

■ 59.3411, 37.3370,
70.0069

■ 68.2646, 52.3240,
81.7986

■ 56.1468, 32.2961,
64.7878

■ 74.1122, 62.5054,
88.4144

■ 53.7064, 28.7085,
59.9870

■ 80.9537, 74.6181,
95.5361

■ 51.9368, 26.4092,
55.5748

■ 88.8367, 88.7565,
103.1813

■ 50.7323, 25.1873, 95.0500, 100.0000,
51.5139 108.9000

■ 50.4387, 24.9395,
50.3696

Harmonies

Analogous

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



55.0024, 43.9698, 112.3128



63.3585, 43.9698, 75.6687



65.5399, 43.9698, 41.9327

Triad

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



63.3585, 43.9698, 75.6687



39.6618, 43.9698, 10.1081



27.3786, 43.9698, 91.2145

Complementary

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



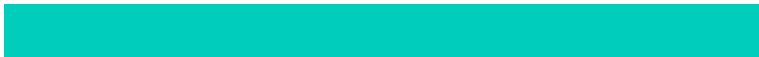
63.3585, 43.9698, 75.6687



52.6362, 79.4248, 48.6356

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.



24.6099, 43.9698, 54.3551



63.3585, 43.9698, 75.6687



30.8867, 43.9698, 14.4810

Square

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



63.3585, 43.9698, 75.6687



50.6160, 43.9698, 11.8602



25.7761, 43.9698, 27.8881



34.0582, 43.9698, 123.6324

Rectangle

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



63.3585, 43.9698, 75.6687



62.9234, 43.9698, 26.4963



25.7761, 43.9698, 27.8881



26.0162, 43.9698, 78.4562

Sweetspot

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



63.3596, 43.9717, 75.6696



83.2502, 78.7199, 97.8163



42.2330, 32.5497, 98.6645



17.4698, 16.2252, 20.5911



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.



63.3596, 43.9717, 75.6696



59.7254, 37.9602, 70.5836



56.6969, 41.3066, 40.5845



18.5805, 18.2155, 21.6739



26.4194, 13.0571, 26.6570



2.6169, 1.2891, 2.8300

Inverse Universe

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



63.3596, 43.9717, 75.6696



59.7254, 37.9602, 70.5836



59.3436, 82.1078, 83.9560



18.5805, 18.2155, 21.6739



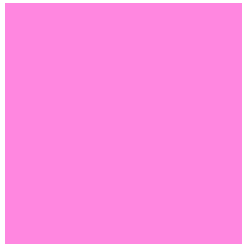
26.4194, 13.0571, 26.6570



2.6169, 1.2891, 2.8300

Previews

White Background



This preview shows how the XYZ color 63.3585, 43.9698, 75.6687 looks on a white background.

Color Contrast Check

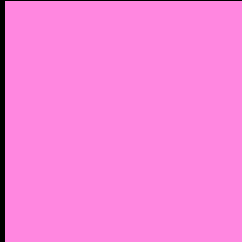
Large Text (above 18pt) WCAG AA × Fail

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 63.3585, 43.9698, 75.6687 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

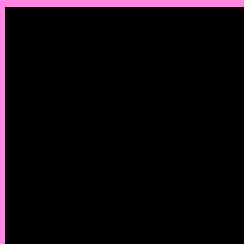
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.3585, 43.9698, 75.6687

Background



This preview shows how black text looks on a background with the XYZ color 63.3585, 43.9698, 75.6687.



This preview shows how white text looks on a background with the XYZ color 63.3585, 43.9698,

75.6687.

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

63.3585, 43.9698, 75.6687

Protanopia

46.1683, 44.4911, 99.9202

Deuteranopia

45.3396, 44.3958, 71.8252



Tritanopia

55.8040, 43.9894, 38.8073

Trichromacy



Original Color

63.3585, 43.9698, 75.6687



Protanomaly

49.7347, 42.4315, 90.3628



Deuteranomaly

50.3909, 43.1463, 73.3823



Tritanomaly

58.3042, 43.8746, 50.1954

Monochromacy



Original Color

63.3585, 43.9698, 75.6687



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

49.3659, 43.9920, 58.7128

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.3585, 43.9698, 75.6687 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, 224)` looks like.

```
.text, #text, p{  
    color:rgb(255, 135, 224)  
}
```

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, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 135, 224) }
```

Border

The CSS property to change the border of an element to XYZ 63.3585, 43.9698, 75.6687 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, 224) }
```


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

```
.border{ border-color:rgb(255, 135, 224) }
```

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, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 135, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 135, 224);  
box-shadow:4px 4px 4px 4px rgb(255, 135,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 63.3585, 43.9698, 75.6687 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, 224) }
```

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

```
.background{ background-color: rgb(255,  
135, 224) }
```

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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