

Converting Colors

XYZ(65.5556, 46.0497, 83.5353)

Have a look what the booklet for
XYZ(65.5556, 46.0497, 83.5353)
contains.

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Color

**XYZ(65.4694, 45.9567,
83.2618)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8CEA
RGB	255, 140, 234
RGB Percent	100%, 55%, 92%
CMY	0.0000, 0.4510, 0.0823
CMYK	0.00, 0.45, 0.08, 0.00
HSL	311°, 100%, 77%
HSV	311°, 45%, 100%
XYZ	65.4694, 45.9567, 83.2618
YIQ	185.1010, 38.3660, 53.6140

Conversions

Conversions Part 2

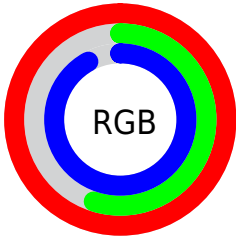
Format	Color
R _Y B	255, 140, 234
Decimal	16747754
CIE Lab	73.52, 55.72, -28.55
CIE LCh	74, 62.611, 332.871
Yxy	45.9567, 0.3363, 0.2361
Android (android.graphics.Color)	4294937834 (0xFFFF8CEA)
YUV	185.1010, 24.1072, 61.3014
Hunter-Lab	67.7914, 53.7512, -25.3664

Details

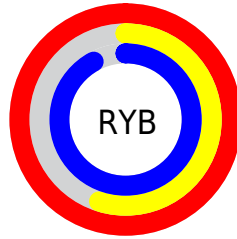
The XYZ color **65.4694, 45.9567, 83.2618** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **53.0098, 79.6694, 46.3046**, and the grayscale version is **46.0267, 48.4237, 52.7334**.

A 20% lighter version of the original color is **79.0299, 67.9599, 103.5600**, and **34.0493, 21.4471, 44.4646** is the 20% darker color. If you saturate the color by 10%, you get **61.5056, 39.0856, 78.6835**, and if you desaturate by 10%, it is **70.3160, 54.5650, 88.2223**.

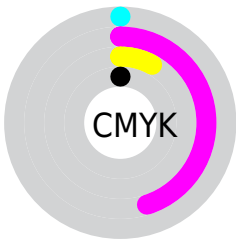
Distribution



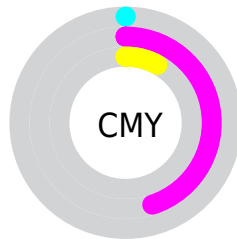
- Red (100%)
- Green (55%)
- Blue (92%)



- Red (100%)
- Yellow (55%)
- Blue (92%)



- Cyan (0%)
- Magenta (45%)
- Yellow (8%)
- Black (0%)





- Cyan (0%)
- Magenta (45%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.4694, 45.9567, 83.2618 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 65.4694, 45.9567, 83.2618 by changing the saturation by 10% instead.


 65.4694, 45.9567,
83.2618


 65.4694, 45.9567,
83.2618


433.9955,
370.6345, 525.8525

 48.1079, 32.2117,
61.8643

 111.7864, 84.1542,
139.7946

 34.1240, 21.5232,
44.4880


 141.4726,
109.3754, 175.7669

 23.1522, 13.5070,
30.7143


175.9978,
139.1908, 217.4346

 14.8272, 7.7786,
20.1248

215.7273,
173.9848, 265.2162

 8.7837, 3.9536,
12.3008

261.0264,
214.1418, 319.5303

 4.6564, 1.6476,
6.8239

312.2606,

 2.0798, 0.3894,

260.0462, 380.7953

3.2754

369.7952,
312.0823, 449.4299

■ 0.6782, 0.0000,
1.2369

■ 0.0000, 0.0000,
0.0092

■ 65.4694, 45.9567,
83.2618

■ 65.4694, 45.9567,
83.2618

■ 61.5056, 39.0856,
78.6835

■ 70.3160, 54.5650,
88.2223

■ 58.3609, 33.8250,
74.4638

■ 76.0973, 65.0144,
93.5811

■ 55.9680, 30.0403,
70.5802

■ 82.8645, 77.4071,
99.3566

■ 54.2472, 27.5722,
67.0053

■ 90.6643, 91.8361,
105.5651

■ 53.1002, 26.2244,
63.7058

95.0500, 100.0000,
108.9000

■ 52.6786, 25.8355,
62.1651

Harmonies

Analogous

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



56.2676, 45.9567, 120.5932



65.4694, 45.9567, 83.2618



68.5453, 45.9567, 47.0504

Triad

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



65.4694, 45.9567, 83.2618



42.6241, 45.9567, 10.5319



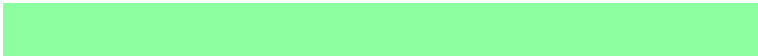
28.1445, 45.9567, 90.9028

Complementary

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



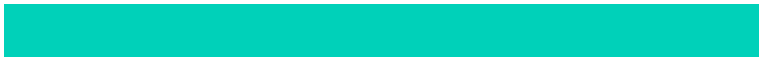
65.4694, 45.9567, 83.2618



53.0098, 79.6694, 46.3046

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.



25.6992, 45.9567, 53.1516



65.4694, 45.9567, 83.2618



33.1261, 45.9567, 14.3390

Square

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



65.4694, 45.9567, 83.2618



54.1118, 45.9567, 13.0537



27.3575, 45.9567, 27.0899



34.6840, 45.9567, 126.1596

Rectangle

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



65.4694, 45.9567, 83.2618



66.3478, 45.9567, 29.9062



27.3575, 45.9567, 27.0899



26.8716, 45.9567, 77.6353

Sweetspot

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



65.4704, 45.9586, 83.2627



83.6678, 78.8869, 100.0154



41.7612, 33.3665, 98.8471



17.5723, 16.2662, 21.1308



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.



65.4704, 45.9586, 83.2627



61.8988, 39.7576, 79.1673



58.6888, 43.2459, 47.5514



18.6420, 18.2401, 21.9977



27.5771, 13.5202, 32.7534



2.7204, 1.3305, 3.3751

Inverse Universe

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



65.4704, 45.9586, 83.2627



61.8988, 39.7576, 79.1673



59.0576, 82.0885, 78.1520



18.6420, 18.2401, 21.9977



27.5771, 13.5202, 32.7534



2.7204, 1.3305, 3.3751

Previews

White Background



This preview shows how the XYZ color 65.4694, 45.9567, 83.2618 looks on a white background.

Color Contrast Check

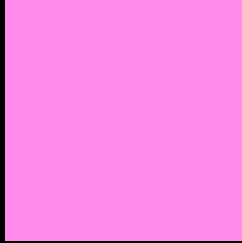
Large Text (above 18pt) WCAG AA × Fail

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 65.4694, 45.9567, 83.2618 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

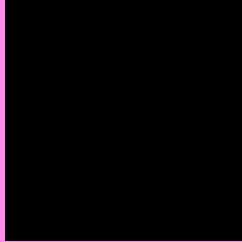
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.4694, 45.9567, 83.2618

Background



This preview shows how black text looks on a background with the XYZ color 65.4694, 45.9567, 83.2618.



This preview shows how white text looks on a background with the XYZ color 65.4694, 45.9567,

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

65.4694, 45.9567, 83.2618

Protanopia

48.0747, 46.6283, 101.0741

Deuteranopia

47.2665, 46.1043, 79.0809



Tritanopia

56.9621, 45.9700, 41.9473

Trichromacy



Original Color

65.4694, 45.9567, 83.2618



Protanomaly

52.2360, 44.9631, 93.9213



Deuteranomaly

52.4602, 45.1015, 80.8034



Tritanomaly

59.7347, 45.8983, 55.0011

Monochromacy



Original Color

65.4694, 45.9567, 83.2618



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

51.5458, 46.3894, 62.7372

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.4694, 45.9567, 83.2618 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, 140, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 140, 234)  
}
```

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, 140, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 140, 234) }
```

Border

The CSS property to change the border of an element to XYZ 65.4694, 45.9567, 83.2618 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, 140, 234) }
```


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

```
.border{ border-color:rgb(255, 140, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 140, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 140, 234); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 140, 234); box-shadow:4px 4px 4px 4px rgb(255, 140, 234) }
```

Background

The CSS property to change the background color of an element to XYZ 65.4694, 45.9567, 83.2618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 140, 234) }
```

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

```
.background{ background-color: rgb(255,  
140, 234) }
```

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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