

Converting Colors

XYZ(67.1468, 45.5186, 95.5143)

Have a look what the booklet for
XYZ(67.1468, 45.5186, 95.5143)
contains.

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Color

**XYZ(67.1593, 45.4901,
95.6833)**

Conversions

Conversions Part 1

Format	Color
Hex	FF87FA
RGB	255, 135, 250
RGB Percent	100%, 53%, 98%
CMY	0.0000, 0.4706, 0.0196
CMYK	0.00, 0.47, 0.02, 0.00
HSL	302°, 100%, 76%
HSV	302°, 47%, 100%
XYZ	67.1593, 45.4901, 95.6833
YIQ	183.9900, 34.6050, 61.2050

Conversions

Conversions Part 2

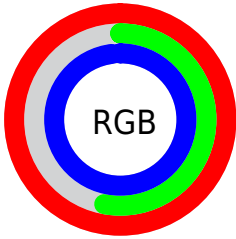
Format	Color
R_{YB}	255, 135, 250
Decimal	16746490
CIE _{Lab}	73.21, 60.80, -37.75
CIE _{LCh}	73, 71.567, 328.164
Yxy	45.4901, 0.3224, 0.2184
Android (android.graphics.Color)	4294936570 (0xFFFF87FA)
YUV	183.9900, 32.5429, 62.2758
Hunter-Lab	67.4463, 59.7092, -36.8998

Details

The XYZ color **67.1593, 45.4901, 95.6833** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **50.4867, 78.5650, 37.3167**, and the grayscale version is **45.3684, 47.7311, 51.9792**.

A 20% lighter version of the original color is **78.1396, 66.1793, 103.2632**, and **35.1866, 21.1780, 52.6853** is the 20% darker color. If you saturate the color by 10%, you get **63.8521, 39.1413, 93.7618**, and if you desaturate by 10%, it is **71.3213, 53.5465, 97.8955**.

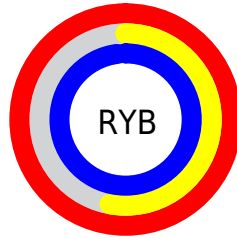
Distribution



Red (100%)

Green (53%)

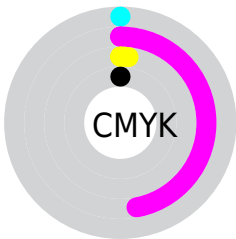
Blue (98%)



Red (100%)

Yellow (53%)

Blue (98%)

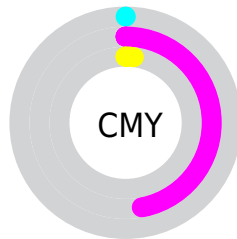


Cyan (0%)

Magenta (47%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (47%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.1593, 45.4901, 95.6833 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 67.1593, 45.4901, 95.6833 by changing the saturation by 10% instead.


 67.1593, 45.4901,
95.6833


 67.1593, 45.4901,
95.6833

439.9352,
368.7549, 567.3903


 49.4853, 31.8436,
72.1038

 114.1972, 83.4554,
157.2120

 35.2207, 21.2421,
52.7561


 144.2917,
108.5430, 195.9982

 24.0002, 13.3011,
37.2217

 179.2572,
138.2131, 240.6904

 15.4585, 7.6362,
25.0821

219.4589,
172.8501, 291.7072

 9.2302, 3.8631,
15.9186

265.2622,
212.8383, 349.4670

 4.9500, 1.5973,
9.3129

317.0324,

 2.2524, 0.3557,

258.5623, 414.3884

4.8462

375.1349,
310.4063, 486.8900

■ 0.7701, 0.0000,
2.1002

■ 0.0000, 0.0000,
0.6159

■ 67.1593, 45.4901,
95.6833

■ 67.1593, 45.4901,
95.6833

■ 63.8521, 39.1413,
93.7618

■ 71.3213, 53.5465,
97.8955

■ 61.3349, 34.3712,
92.1077

■ 76.3908, 63.4167,
100.4142

■ 59.5385, 31.0413,
90.6985

■ 82.4198, 75.2043,
103.2575

■ 58.3804, 28.9866,
89.5067

■ 89.4555, 89.0038,
106.4409

■ 57.7554, 27.9965, 95.0500, 100.0000,
88.4972 108.9000

■ 57.6263, 27.8145,
88.2192

Harmonies

Analogous

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



55.6612, 45.4901, 138.9020



67.1593, 45.4901, 95.6833



72.1316, 45.4901, 51.7798

Triad

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



67.1593, 45.4901, 95.6833



44.0152, 45.4901, 7.5831



25.2555, 45.4901, 89.8535

Complementary

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



67.1593, 45.4901, 95.6833



50.4867, 78.5650, 37.3167

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.



23.3187, 45.4901, 47.3483



67.1593, 45.4901, 95.6833



32.8145, 45.4901, 10.1629

Square

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



67.1593, 45.4901, 95.6833



57.2621, 45.4901, 10.9533



25.8000, 45.4901, 21.2801



31.7122, 45.4901, 134.5425

Rectangle

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



67.1593, 45.4901, 95.6833



70.4699, 45.4901, 30.9538



25.8000, 45.4901, 21.2801



24.1165, 45.4901, 74.3600

Sweetspot

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



67.1603, 45.4919, 95.6842



84.4613, 79.2043, 104.1936



37.3633, 30.0392, 98.4366



17.7676, 16.3444, 22.1596



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.



67.1603, 45.4919, 95.6842



64.1631, 39.7352, 93.9519



59.3092, 42.3514, 54.3408



18.7581, 18.2865, 22.6090



30.1254, 14.5395, 46.1725



2.9430, 1.4196, 4.5471

Inverse Universe

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



67.1603, 45.4919, 95.6842



64.1631, 39.7352, 93.9519



56.0618, 80.7951, 66.6748



18.7581, 18.2865, 22.6090



30.1254, 14.5395, 46.1725



2.9430, 1.4196, 4.5471

Previews

White Background



This preview shows how the XYZ color 67.1593, 45.4901, 95.6833 looks on a white background.

Color Contrast Check

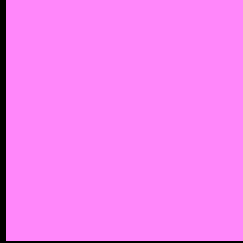
Large Text (above 18pt) WCAG AA × Fail

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 67.1593, 45.4901, 95.6833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

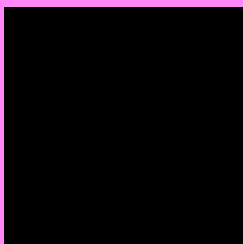
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.1593, 45.4901, 95.6833

Background



This preview shows how black text looks on a background with the XYZ color 67.1593, 45.4901, 95.6833.



This preview shows how white text looks on a background with the XYZ color 67.1593, 45.4901,

95.6833.

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

67.1593, 45.4901, 95.6833

Protanopia

47.4880, 46.0294, 100.9894

Deuteranopia

46.8534, 45.6416, 90.3447



Tritanopia

56.0947, 45.2769, 41.8592

Trichromacy



Original Color

67.1593, 45.4901, 95.6833



Protanomaly

52.1358, 44.0089, 98.6752



Deuteranomaly

52.1667, 44.1690, 92.1622



Tritanomaly

59.5787, 45.0384, 58.3765

Monochromacy



Original Color

67.1593, 45.4901, 95.6833



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

51.5997, 45.5281, 65.7427

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.1593, 45.4901, 95.6833 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, 250)` looks like.

```
.text, #text, p{  
    color:rgb(255, 135, 250)  
}
```

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, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 135, 250) }
```

Border

The CSS property to change the border of an element to XYZ 67.1593, 45.4901, 95.6833 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, 250) }
```


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

```
.border{ border-color:rgb(255, 135, 250) }
```

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, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 135, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 135, 250);  
box-shadow:4px 4px 4px 4px rgb(255, 135,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 67.1593, 45.4901, 95.6833 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, 250) }
```

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

```
.background{ background-color: rgb(255,  
135, 250) }
```

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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