

Converting Colors

XYZ(65.9032, 44.7180, 78.9266)

Have a look what the booklet for
XYZ(65.9032, 44.7180, 78.9266)
contains.

XYZ(63.7704, 43.6922, 79.2011)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(63.7704, 43.6922,
79.2011)**

Conversions

Conversions Part 1

Format	Color
Hex	FF85E5
RGB	255, 133, 229
RGB Percent	100%, 52%, 90%
CMY	0.0000, 0.4784, 0.1020
CMYK	0.00, 0.48, 0.10, 0.00
HSL	313°, 100%, 76%
HSV	313°, 48%, 100%
XYZ	63.7704, 43.6922, 79.2011
YIQ	180.4220, 41.8960, 55.7200

Conversions

Conversions Part 2

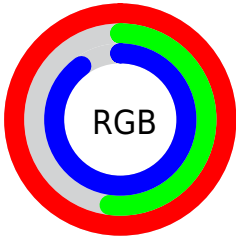
Format	Color
R_{YB}	255, 133, 229
Decimal	16745957
CIE _{Lab}	72.02, 58.31, -28.11
CIE _{LCh}	72, 64.734, 334.268
Yxy	43.6922, 0.3416, 0.2341
Android (android.graphics.Color)	4294936037 (0xFFFF85E5)
YUV	180.4220, 23.9490, 65.4049
Hunter-Lab	66.1001, 56.5337, -24.7712

Details

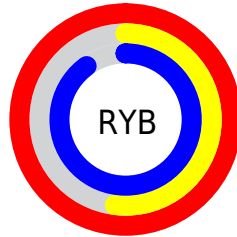
The XYZ color **63.7704, 43.6922, 79.2011** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **51.6924, 79.0105, 45.3296**, and the grayscale version is **43.4699, 45.7337, 49.8040**.

A 20% lighter version of the original color is **77.4876, 64.8752, 103.0459**, and **33.0322, 20.2017, 41.6935** is the 20% darker color. If you saturate the color by 10%, you get **59.9464, 37.2396, 74.2414**, and if you desaturate by 10%, it is **68.4673, 51.8524, 84.5701**.

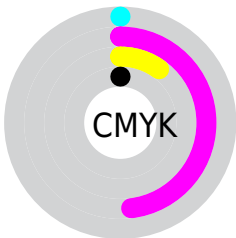
Distribution



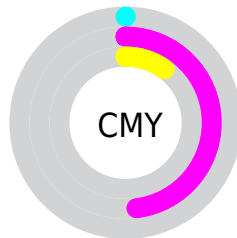
- Red (100%)
- Green (52%)
- Blue (90%)



- Red (100%)
- Yellow (52%)
- Blue (90%)



- Cyan (0%)
- Magenta (48%)
- Yellow (10%)
- Black (0%)





- Cyan (0%)
- Magenta (48%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.7704, 43.6922, 79.2011 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 63.7704, 43.6922, 79.2011 by changing the saturation by 10% instead.


 63.7704, 43.6922,
79.2011


 63.7704, 43.6922,
79.2011


427.9754,
361.4507, 511.8720

 46.7257, 30.4286,
58.5389


 109.3558, 80.7544,
134.0432

 33.0259, 20.1641,
41.8245


 138.6272,
105.3217, 169.0601

 22.3056, 12.5144,
28.6393


 172.7049,
134.4258, 209.6990

 14.1995, 7.0950,
18.5649

211.9543,
168.4510, 256.3784

 8.3422, 3.5216,
11.1827

256.7407,
207.7817, 309.5168

 4.3683, 1.4097,
6.0741

307.4294,

 1.9125, 0.2239,

252.8023, 369.5329

2.8207

364.3859,
303.8972, 436.8451

■ 0.5841, 0.0000,
1.0038

■ 0.0000, 0.0000,
0.0000

■ 63.7704, 43.6922,
79.2011

■ 63.7704, 43.6922,
79.2011

■ 59.9464, 37.2396,
74.2414

■ 68.4673, 51.8524,
84.5701

■ 56.9299, 32.3644,
69.6664

■ 74.0907, 61.8272,
90.3656

■ 54.6507, 28.9264,
65.4523

■ 80.6929, 73.7210,
96.6067

■ 53.0248, 26.7582,
61.5700

■ 88.3216, 87.6289,
103.3102

■ 51.9401, 25.6357, 95.0500, 100.0000,
57.9810 108.9000

■ 51.7420, 25.4608,
57.2328

Harmonies

Analogous

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



54.6833, 43.6922, 117.7011



63.7704, 43.6922, 79.2011



66.5368, 43.6922, 43.1856

Triad

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



63.7704, 43.6922, 79.2011



39.9663, 43.6922, 9.0270



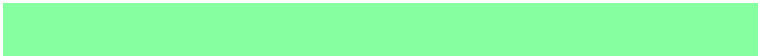
26.3220, 43.6922, 90.7419

Complementary

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



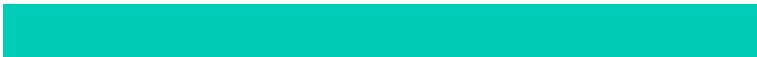
63.7704, 43.6922, 79.2011



51.6924, 79.0105, 45.3296

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.



23.7328, 43.6922, 52.2488



63.7704, 43.6922, 79.2011



30.6725, 43.6922, 12.9144

Square

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



63.7704, 43.6922, 79.2011



51.4575, 43.6922, 11.1067



25.1720, 43.6922, 25.7352



32.9660, 43.6922, 126.1838

Rectangle

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



63.7704, 43.6922, 79.2011



64.0766, 43.6922, 26.6831



25.1720, 43.6922, 25.7352



25.0079, 43.6922, 77.2362

Sweetspot

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



63.7714, 43.6940, 79.2020



83.4989, 78.8193, 99.1257



40.4222, 31.2058, 98.5006



17.5308, 16.2496, 20.9123



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.



63.7714, 43.6940, 79.2020



60.2359, 37.7195, 74.6432



56.8467, 40.9242, 42.7374



18.6171, 18.2302, 21.8669



27.0934, 13.3267, 30.2061



2.6774, 1.3133, 3.1485

Inverse Universe

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



63.7714, 43.6940, 79.2020



60.2359, 37.7195, 74.6432



58.1415, 81.5901, 79.2899



18.6171, 18.2302, 21.8669



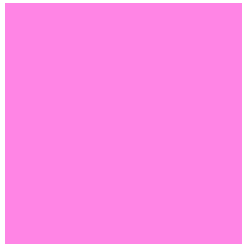
27.0934, 13.3267, 30.2061



2.6774, 1.3133, 3.1485

Previews

White Background



This preview shows how the XYZ color 63.7704, 43.6922, 79.2011 looks on a white background.

Color Contrast Check

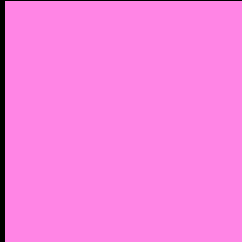
Large Text (above 18pt) WCAG AA × Fail

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 63.7704, 43.6922, 79.2011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

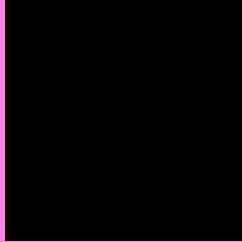
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.7704, 43.6922, 79.2011

Background



This preview shows how black text looks on a background with the XYZ color 63.7704, 43.6922, 79.2011.



This preview shows how white text looks on a background with the XYZ color 63.7704, 43.6922,

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

63.7704, 43.6922, 79.2011

Protanopia

45.9486, 44.0714, 100.6926

Deuteranopia

44.9230, 43.8190, 75.1975



Tritanopia

55.2057, 43.4572, 38.2793

Trichromacy



Original Color

63.7704, 43.6922, 79.2011



Protanomaly

50.0190, 42.2689, 92.7112



Deuteranomaly

50.1746, 42.4465, 76.7827



Tritanomaly

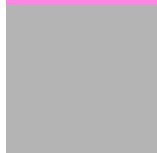
57.8985, 43.4296, 50.6786

Monochromacy



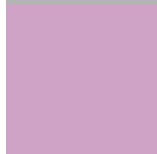
Original Color

63.7704, 43.6922, 79.2011



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

49.0224, 43.5370, 59.2458

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7704, 43.6922, 79.2011 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, 133, 229)` looks like.

```
.text, #text, p{  
    color:rgb(255, 133, 229)  
}
```

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, 133, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 133, 229) }
```

Border

The CSS property to change the border of an element to XYZ 63.7704, 43.6922, 79.2011 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, 133, 229) }
```


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

```
.border{ border-color:rgb(255, 133, 229) }
```

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

Here you see how a box with a 4 pixel rgb(255, 133, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 133, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 133, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 133,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7704, 43.6922, 79.2011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 133, 229) }
```

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

```
.background{ background-color: rgb(255,  
133, 229) }
```

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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