

Converting Colors

XYZ(111.1359, 69.5929,
79.8830)

Have a look what the booklet for
XYZ(111.1359, 69.5929, 79.8830)
contains.

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Color

**XYZ(64.3456, 45.5072,
77.3439)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8CE2
RGB	255, 140, 226
RGB Percent	100%, 55%, 89%
CMY	0.0000, 0.4510, 0.1137
CMYK	0.00, 0.45, 0.11, 0.00
HSL	315°, 100%, 77%
HSV	315°, 45%, 100%
XYZ	64.3456, 45.5072, 77.3439
YIQ	184.1890, 40.9340, 51.1260

Conversions

Conversions Part 2

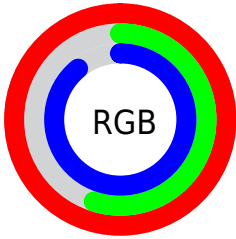
Format	Color
R _Y B	255, 140, 226
Decimal	16747746
CIE Lab	73.22, 54.44, -24.62
CIE LCh	73, 59.750, 335.671
Yxy	45.5072, 0.3437, 0.2431
Android (android.graphics.Color)	4294937826 (0xFFFF8CE2)
YUV	184.1890, 20.6128, 62.1012
Hunter-Lab	67.4590, 52.2084, -20.7565

Details

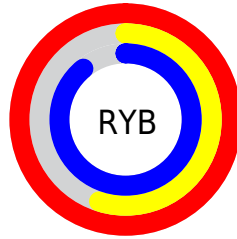
The XYZ color **64.3456, 45.5072, 77.3439** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **53.7383, 79.9608, 50.1406**, and the grayscale version is **45.5395, 47.9111, 52.1752**.

A 20% lighter version of the original color is **79.0299, 67.9599, 103.5600**, and **33.2691, 21.1350, 40.3562** is the 20% darker color. If you saturate the color by 10%, you get **60.1760, 38.5538, 71.6821**, and if you desaturate by 10%, it is **69.4135, 54.2041, 83.4696**.

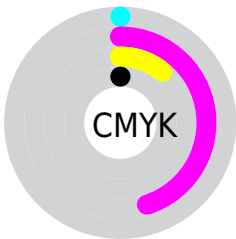
Distribution



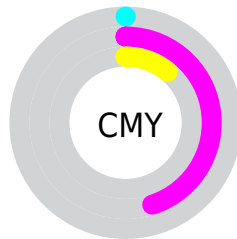
- Red (100%)
- Green (55%)
- Blue (89%)



- Red (100%)
- Yellow (55%)
- Blue (89%)



- Cyan (0%)
- Magenta (45%)
- Yellow (11%)
- Black (0%)



- Cyan (0%)
- Magenta (45%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.3456, 45.5072, 77.3439 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 64.3456, 45.5072, 77.3439 by changing the saturation by 10% instead.

64.3456, 45.5072,
77.3439

64.3456, 45.5072,
77.3439

430.0191,
368.8239, 505.4045

47.1934, 31.8571,
57.0219

110.1795, 83.4810,
131.4023

33.3971, 21.2524,
40.6134

139.5918,
108.5735, 165.9757

22.5915, 13.3086,
27.6997

173.8216,
138.2489, 206.1368

14.4112, 7.6414,
17.8623

213.2341,
172.8917, 252.3039

8.4908, 3.8664,
10.6828

258.1948,
212.8862, 304.8957

4.4650, 1.5991,
5.7425

309.0689,

1.9684, 0.3570,

258.6168, 364.3307

2.6229

366.2219,
310.4679, 431.0275

■ 0.6161, 0.0000,
0.9042

■ 0.0000, 0.0000,
0.0000

■ 64.3456, 45.5072,
77.3439

■ 64.3456, 45.5072,
77.3439

■ 60.1760, 38.5538,
71.6821

■ 69.4135, 54.2041,
83.4696

■ 56.8409, 33.2170,
66.4594

■ 75.4318, 64.7483,
90.0765

■ 54.2726, 29.3621,
61.6521

■ 82.4520, 77.2421,
97.1842

■ 52.3912, 26.8298,
57.2317

■ 90.5209, 91.7789,
104.8099

■ 51.0982, 25.4236, 95.0500, 100.0000,
53.1634 108.9000

■ 50.6103, 25.0081,
51.2733

Harmonies

Analogous

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



56.1060, 45.5072, 112.8081



64.3456, 45.5072, 77.3439



66.5753, 45.5072, 44.0605

Triad

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



64.3456, 45.5072, 77.3439



41.2915, 45.5072, 11.4416



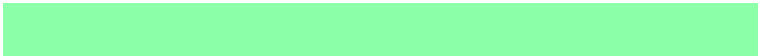
28.8561, 45.5072, 91.4179

Complementary

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



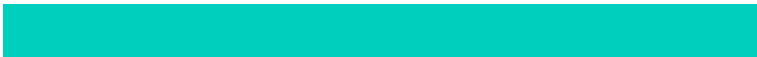
64.3456, 45.5072, 77.3439



53.7383, 79.9608, 50.1406

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.



26.1340, 45.5072, 55.4767



64.3456, 45.5072, 77.3439



32.5304, 45.5072, 15.8894

Square

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



64.3456, 45.5072, 77.3439



52.1013, 45.5072, 13.3635



27.3617, 45.5072, 29.3671



35.4683, 45.5072, 122.9727

Rectangle

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



64.3456, 45.5072, 77.3439



64.0858, 45.5072, 28.5107



27.3617, 45.5072, 29.3671



27.5090, 45.5072, 79.0052

Sweetspot

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



64.3466, 45.5091, 77.3448



83.2840, 78.7334, 97.9940



43.7387, 34.3860, 98.9396



17.4780, 16.2285, 20.6346



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.



64.3466, 45.5091, 77.3448



60.5910, 39.2345, 72.2806



57.7575, 42.8734, 42.6468



18.5854, 18.2175, 21.7001



26.5083, 13.0926, 27.1247



2.6249, 1.2923, 2.8722

Inverse Universe

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



64.3466, 45.5091, 77.3448



60.5910, 39.2345, 72.2806



60.3383, 82.6008, 84.8961



18.5854, 18.2175, 21.7001



26.5083, 13.0926, 27.1247



2.6249, 1.2923, 2.8722

Previews

White Background



This preview shows how the XYZ color 64.3456, 45.5072, 77.3439 looks on a white background.

Color Contrast Check

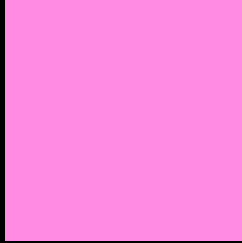
Large Text (above 18pt) WCAG AA × Fail

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 64.3456, 45.5072, 77.3439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

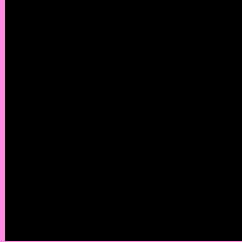
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.3456, 45.5072, 77.3439

Background



This preview shows how black text looks on a background with the XYZ color 64.3456, 45.5072, 77.3439.



This preview shows how white text looks on a background with the XYZ color 64.3456, 45.5072,

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

64.3456, 45.5072, 77.3439

Protanopia

47.7144, 46.1646, 100.1618

Deuteranopia

46.8037, 45.6830, 74.0610



Tritanopia

56.8035, 45.4193, 40.8949

Trichromacy



Original Color

64.3456, 45.5072, 77.3439



Protanomaly

51.5969, 44.4200, 91.4424



Deuteranomaly

51.7356, 44.5901, 74.9872



Tritanomaly

59.3432, 45.2769, 52.6253

Monochromacy



Original Color

64.3456, 45.5072, 77.3439



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

50.8898, 45.8304, 60.1968

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.3456, 45.5072, 77.3439 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, 226)` looks like.

```
.text, #text, p{  
    color:rgb(255, 140, 226)  
}
```

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, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 140, 226) }
```

Border

The CSS property to change the border of an element to XYZ 64.3456, 45.5072, 77.3439 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, 226) }
```


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

```
.border{ border-color:rgb(255, 140, 226) }
```

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, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 140, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 140, 226); box-shadow:4px 4px 4px 4px rgb(255, 140, 226) }
```

Background

The CSS property to change the background color of an element to XYZ 64.3456, 45.5072, 77.3439 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, 226) }
```

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

```
.background{ background-color: rgb(255,  
140, 226) }
```

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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