

Converting Colors

XYZ(79.5263, 52.9854, 79.5462)

Have a look what the booklet for
XYZ(79.5263, 52.9854, 79.5462)
contains.

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Color

**XYZ(64.4762, 45.3267,
78.7494)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8BE4
RGB	255, 139, 228
RGB Percent	100%, 55%, 89%
CMY	0.0000, 0.4549, 0.1059
CMYK	0.00, 0.45, 0.11, 0.00
HSL	314°, 100%, 77%
HSV	314°, 45%, 100%
XYZ	64.4762, 45.3267, 78.7494
YIQ	183.8300, 40.5670, 52.2710

Conversions

Conversions Part 2

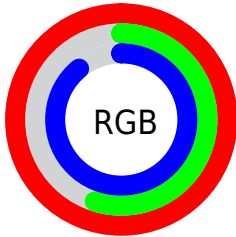
Format	Color
R _Y B	255, 139, 228
Decimal	16747492
CIE Lab	73.11, 55.25, -25.89
CIE LCh	73, 61.016, 334.889
Yxy	45.3267, 0.3420, 0.2404
Android (android.graphics.Color)	4294937572 (0xFFFF8BE4)
YUV	183.8300, 21.7758, 62.4161
Hunter-Lab	67.3251, 53.1277, -22.2233

Details

The XYZ color **64.4762, 45.3267, 78.7494** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **53.2920, 79.7629, 48.6662**, and the grayscale version is **45.3355, 47.6965, 51.9415**.

A 20% lighter version of the original color is **78.8051, 67.5102, 103.4850**, and **33.3817, 21.0550, 41.3343** is the 20% darker color. If you saturate the color by 10%, you get **60.3954, 38.4610, 73.3936**, and if you desaturate by 10%, it is **69.4484, 53.9294, 84.5430**.

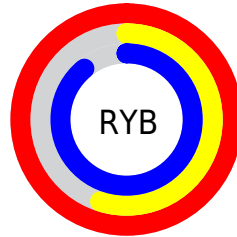
Distribution



Red (100%)

Green (55%)

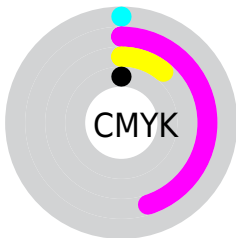
Blue (89%)



Red (100%)

Yellow (55%)

Blue (89%)

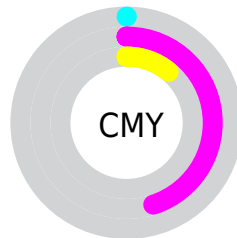


Cyan (0%)

Magenta (45%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (45%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.4762, 45.3267, 78.7494 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 64.4762, 45.3267, 78.7494 by changing the saturation by 10% instead.

 64.4762, 45.3267,
78.7494


 64.4762, 45.3267,
78.7494


430.4823,
368.0951, 510.3034

 47.2996, 31.7148,
58.1697

 110.3664, 83.2104,
133.4015

 33.4815, 21.1438,
41.5295

 139.8106,
108.2511, 168.3109

 22.6566, 13.2291,
28.4102

 174.0748,
137.8702, 208.8340

 14.4594, 7.5865,
18.3934

213.5243,
172.4520, 255.3893

 8.5247, 3.8315,
11.0604

258.5245,
212.3810, 308.3954

 4.4871, 1.5798,
5.9928

309.4406,

 1.9812, 0.3439,

258.0416, 368.2707

2.7720

366.6381,
309.8182, 435.4338

■ 0.6234, 0.0000,
0.9794

■ 0.0000, 0.0000,
0.0000

■ 64.4762, 45.3267,
78.7494

■ 64.4762, 45.3267,
78.7494

■ 60.3954, 38.4610,
73.3936

■ 69.4484, 53.9294,
84.5430

■ 57.1417, 33.2051,
68.4512

■ 75.3640, 64.3734,
90.7914

■ 54.6474, 29.4234,
63.8987

■ 82.2746, 76.7612,
97.5138

■ 52.8319, 26.9556,
59.7079

■ 90.2272, 91.1864,
104.7272

■ 51.5959, 25.6033, 95.0500, 100.0000,
55.8442 108.9000

■ 51.1634, 25.2294,
54.1860

Harmonies

Analogous

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



55.9256, 45.3267, 115.0065



64.4762, 45.3267, 78.7494



66.9483, 45.3267, 44.5089

Triad

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



64.4762, 45.3267, 78.7494



41.3553, 45.3267, 10.8903



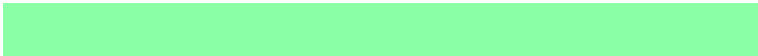
28.3391, 45.3267, 91.2077

Complementary

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



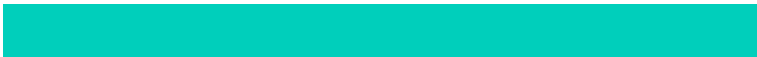
64.4762, 45.3267, 78.7494



53.2920, 79.7629, 48.6662

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.



25.6913, 45.3267, 54.5365



64.4762, 45.3267, 78.7494



32.3722, 45.3267, 15.1262

Square

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



64.4762, 45.3267, 78.7494



52.3956, 45.3267, 12.9604



27.0360, 45.3267, 28.3684



34.9426, 45.3267, 124.0426

Rectangle

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



64.4762, 45.3267, 78.7494



64.5201, 45.3267, 28.5110



27.0360, 45.3267, 28.3684



27.0114, 45.3267, 78.4686

Sweetspot

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



64.4773, 45.3286, 78.7503



83.3906, 78.7760, 98.5554



42.6220, 33.5944, 98.8457



17.5042, 16.2390, 20.7723



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.



64.4773, 45.3286, 78.7503



60.5747, 38.7575, 73.6450



57.9076, 42.7007, 44.1550



18.6012, 18.2238, 21.7829



26.7944, 13.2070, 28.6313



2.6506, 1.3026, 3.0076

Inverse Universe

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



64.4773, 45.3286, 78.7503



60.5747, 38.7575, 73.6450



59.6115, 82.2907, 81.9441



18.6012, 18.2238, 21.7829



26.7944, 13.2070, 28.6313



2.6506, 1.3026, 3.0076

Previews

White Background



This preview shows how the XYZ color 64.4762, 45.3267, 78.7494 looks on a white background.

Color Contrast Check

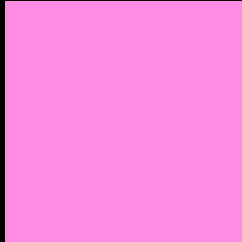
Large Text (above 18pt) WCAG AA × Fail

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 64.4762, 45.3267, 78.7494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

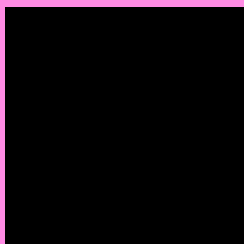
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.4762, 45.3267, 78.7494

Background



This preview shows how black text looks on a background with the XYZ color 64.4762, 45.3267, 78.7494.



This preview shows how white text looks on a background with the XYZ color 64.4762, 45.3267,

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

64.4762, 45.3267, 78.7494

Protanopia

47.4824, 45.7322, 100.9323

Deuteranopia

46.6146, 45.5547, 75.4433



Tritanopia

56.8035, 45.4193, 40.8949

Trichromacy



Original Color

64.4762, 45.3267, 78.7494



Protanomaly

51.3169, 43.9934, 92.1731



Deuteranomaly

51.7286, 44.5553, 76.3947



Tritanomaly

59.3432, 45.2769, 52.6253

Monochromacy



Original Color

64.4762, 45.3267, 78.7494



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

51.0063, 45.8770, 60.8104

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.4762, 45.3267, 78.7494 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, 139, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 139, 228)  
}
```

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, 139, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 139, 228) }
```

Border

The CSS property to change the border of an element to XYZ 64.4762, 45.3267, 78.7494 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, 139, 228) }
```


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

```
.border{ border-color:rgb(255, 139, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 139, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 139, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 139, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 139,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 64.4762, 45.3267, 78.7494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 139, 228) }
```

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

```
.background{ background-color: rgb(255,  
139, 228) }
```

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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