

# Converting Colors

XYZ(79.4319, 53.5294, 78.7860)

Have a look what the booklet for  
XYZ(79.4319, 53.5294, 78.7860)  
contains.

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# Color

**XYZ(64.6300, 45.8558,  
78.1177)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF8DE3
RGB	255, 141, 227
RGB Percent	100%, 55%, 89%
CMY	0.0000, 0.4470, 0.1098
CMYK	0.00, 0.45, 0.11, 0.00
HSL	315°, 100%, 78%
HSV	315°, 45%, 100%
XYZ	64.6300, 45.8558, 78.1177
YIQ	184.8900, 40.3380, 50.9140

# Conversions

## Conversions Part 2

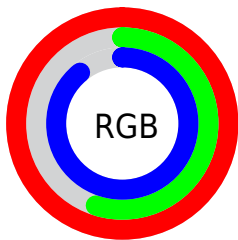
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 141, 227
Decimal	16748003
CIE Lab	73.45, 54.11, -24.82
CIE LCh	73, 59.530, 335.362
Yxy	45.8558, 0.3427, 0.2431
Android (android.graphics.Color)	4294938083 (0xFFFF8DE3)
YUV	184.8900, 20.7602, 61.4865
Hunter-Lab	67.7169, 51.8584, -20.9946

# Details

The XYZ color **64.6300, 45.8558, 78.1177** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **53.9075, 80.0481, 50.1485**, and the grayscale version is **45.9268, 48.3186, 52.6189**.

A 20% lighter version of the original color is **79.2563, 68.4125, 103.6354**, and **33.5238, 21.4924, 40.9096** is the 20% darker color. If you saturate the color by 10%, you get **60.4448, 38.8437, 72.5352**, and if you desaturate by 10%, it is **69.7142, 54.6152, 84.1562**.

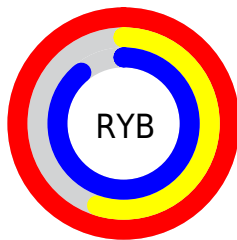
# Distribution



Red (100%)

Green (55%)

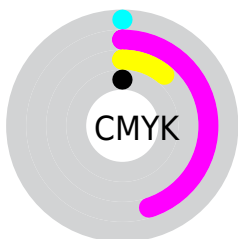
Blue (89%)



Red (100%)

Yellow (55%)

Blue (89%)

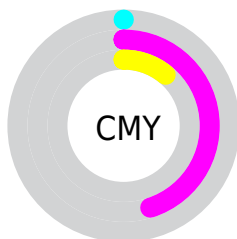


Cyan (0%)

Magenta (45%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (45%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.6300, 45.8558, 78.1177 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 64.6300, 45.8558, 78.1177 by changing the saturation by 10% instead.




 64.6300, 45.8558,  
78.1177


 64.6300, 45.8558,  
78.1177


431.0274,  
370.2286, 508.1050

 47.4247, 32.1320,  
57.6536


 110.5864, 84.0031,  
132.5034

 33.5809, 21.4624,  
41.1174


 140.0683,  
109.1955, 167.2621

 22.7332, 13.4624,  
28.0904


174.3730,  
138.9796, 207.6229

 14.5162, 7.7477,  
18.1542

213.8659,  
173.7397, 254.0041

 8.5647, 3.9339,  
10.8902

258.9125,  
213.8603, 306.8244

 4.5132, 1.6367,  
5.8798

309.8781,

 1.9963, 0.3821,

259.7257, 366.5023

2.7045

367.1279,  
311.7203, 433.4563

■ 0.6319, 0.0000,  
0.9457

■ 0.0000, 0.0000,  
0.0000

■ 64.6300, 45.8558,  
78.1177

■ 64.6300, 45.8558,  
78.1177

■ 60.4448, 38.8437,  
72.5352

■ 69.7142, 54.6152,  
84.1562

■ 57.0950, 33.4527,  
67.3840

■ 75.7491, 65.2253,  
90.6678

■ 54.5132, 29.5486,  
62.6409

■ 82.7860, 77.7881,  
97.6718

■ 52.6202, 26.9732,  
58.2775

■ 90.8718, 92.3967,  
105.1853

■ 51.3184, 25.5321,  
54.2597

95.0500, 100.0000,  
108.9000

■ 50.7951, 25.0820,  
52.2466

# Harmonies

## Analogous

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



56.3431, 45.8558, 113.4772



64.6300, 45.8558, 78.1177



66.9318, 45.8558, 44.7187

# Triad

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



64.6300, 45.8558, 78.1177



41.7251, 45.8558, 11.6538



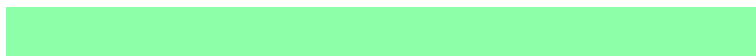
29.1072, 45.8558, 91.4210

# Complementary

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



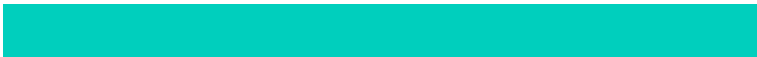
64.6300, 45.8558, 78.1177



53.9075, 80.0481, 50.1485

# 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.



26.4166, 45.8558, 55.5295



64.6300, 45.8558, 78.1177



32.9140, 45.8558, 16.0640

# Square

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



64.6300, 45.8558, 78.1177



52.5537, 45.8558, 13.6583



27.6895, 45.8558, 29.4972



35.6988, 45.8558, 123.0757



# Rectangle

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



64.6300, 45.8558, 78.1177



64.4898, 45.8558, 29.0331



27.6895, 45.8558, 29.4972



27.7693, 45.8558, 79.0142

# Sweetspot

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



64.6311, 45.8577, 78.1186



84.0880, 80.1295, 98.9152



43.6403, 34.5532, 98.9771



17.6384, 16.5041, 20.8277



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.



64.6311, 45.8577, 78.1186



60.7112, 39.2826, 72.9135



58.1551, 43.2674, 44.0169



18.5908, 18.2196, 21.7280



26.6039, 13.1308, 27.6282



2.6335, 1.2958, 2.9175



# Inverse Universe

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



64.6311, 45.8577, 78.1186



60.7112, 39.2826, 72.9135



60.2819, 82.5978, 83.7154



18.5908, 18.2196, 21.7280



26.6039, 13.1308, 27.6282



2.6335, 1.2958, 2.9175



# Previews

## White Background



This preview shows how the XYZ color 64.6300, 45.8558, 78.1177 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

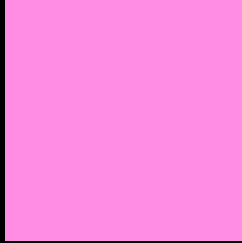
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.6300, 45.8558, 78.1177 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

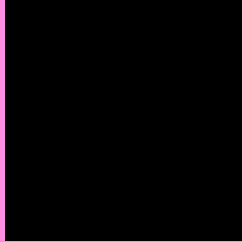
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 64.6300, 45.8558, 78.1177**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.6300, 45.8558, 78.1177.



This preview shows how white text looks on a background with the XYZ color 64.6300, 45.8558,



# 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

64.6300, 45.8558, 78.1177

### Protanopia

47.8750, 46.2289, 101.0075

### Deuteranopia

47.1334, 46.1297, 74.8263



## Tritanopia

57.0585, 45.7843, 41.4272

# Trichromacy



## Original Color

64.6300, 45.8558, 78.1177



## Protanomaly

51.9289, 44.8403, 92.3043



## Deuteranomaly

52.0483, 45.0004, 75.7547



## Tritanomaly

59.6082, 45.6350, 53.2437

# Monochromacy



## Original Color

64.6300, 45.8558, 78.1177



## Achromatopsia

46.1135, 48.5150, 52.8328



## Achromatomaly

51.1916, 46.2477, 60.8722

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.6300, 45.8558, 78.1177 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, 141, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 141, 227)  
}
```

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, 141, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 141, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 64.6300, 45.8558, 78.1177 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, 141, 227) }
```



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

```
.border{ border-color:rgb(255, 141, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 141, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 141, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 141, 227); box-shadow:4px 4px 4px 4px rgb(255, 141, 227) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.6300, 45.8558, 78.1177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 141, 227) }
```

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

```
.background{ background-color: rgb(255,  
141, 227) }
```

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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