

Converting Colors

XYZ(87.0790, 58.0640, 71.0199)

Have a look what the booklet for
XYZ(87.0790, 58.0640, 71.0199)
contains.

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Color

**XYZ(63.3282, 45.8112,
69.7947)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8FD7
RGB	255, 143, 215
RGB Percent	100%, 56%, 84%
CMY	0.0000, 0.4392, 0.1569
CMYK	0.00, 0.44, 0.16, 0.00
HSL	321°, 100%, 78%
HSV	321°, 44%, 100%
XYZ	63.3282, 45.8112, 69.7947
YIQ	184.6960, 43.6400, 46.1360

Conversions

Conversions Part 2

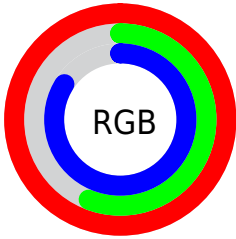
Format	Color
R_{YB}	255, 143, 215
Decimal	16748503
CIE _{Lab}	73.42, 51.26, -18.27
CIE _{LCh}	73, 54.421, 340.386
Yxy	45.8112, 0.3539, 0.2560
Android (android.graphics.Color)	4294938583 (0xFFFF8FD7)
YUV	184.6960, 14.9399, 61.6566
Hunter-Lab	67.6840, 48.5658, -13.7602

Details

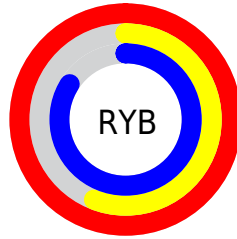
The XYZ color **63.3282, 45.8112, 69.7947** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **55.6366, 80.7793, 57.4624**, and the grayscale version is **45.8492, 48.2369, 52.5300**.

A 20% lighter version of the original color is **79.7134, 69.3268, 103.7878**, and **32.6825, 21.4186, 35.6693** is the 20% darker color. If you saturate the color by 10%, you get **58.7881, 38.5520, 62.6675**, and if you desaturate by 10%, it is **68.8056, 54.8403, 77.5569**.

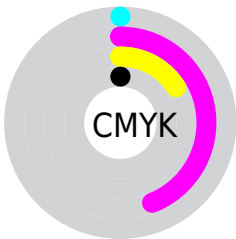
Distribution



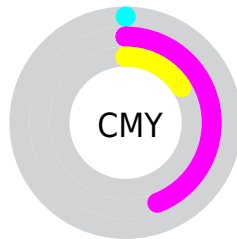
- Red (100%)
- Green (56%)
- Blue (84%)



- Red (100%)
- Yellow (56%)
- Blue (84%)



- Cyan (0%)
- Magenta (44%)
- Yellow (16%)
- Black (0%)





- Cyan (0%)
- Magenta (44%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.3282, 45.8112, 69.7947 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 63.3282, 45.8112, 69.7947 by changing the saturation by 10% instead.


 63.3282, 45.8112,
69.7947

 63.3282, 45.8112,
69.7947


426.4004,
370.0491, 478.5985

 46.3664, 32.0969,
50.8834


 108.7220, 83.9364,
120.5943

 32.7409, 21.4355,
35.7397


 137.8848,
109.1160, 153.3197

 22.0863, 13.4427,
23.9452


171.8452,
138.8862, 191.4869

 14.0373, 7.7341,
15.0811

210.9687,
173.6313, 235.5144

 8.2285, 3.9253,
8.7291

255.6206,
213.7357, 285.8208

 4.2945, 1.6319,
4.4705

306.1663,

 1.8701, 0.3789,

259.5839, 342.8245

1.8869

362.9711,
311.5602, 406.9443

■ 0.5594, 0.0000,
0.4843

■ 0.0000, 0.0000,
0.0000

■ 63.3282, 45.8112,
69.7947

■ 63.3282, 45.8112,
69.7947

■ 58.7881, 38.5520,
62.6675

■ 68.8056, 54.8403,
77.5569

■ 55.1212, 32.9368,
56.1471

■ 75.2721, 65.7420,
85.9747

■ 52.2604, 28.8329,
50.2063

■ 82.7795, 78.6179,
95.0710

■ 50.1265, 26.0837,
44.8134

■ 91.3749, 93.5609,
104.8663

■ 48.6231, 24.4981,
39.9306

95.0500, 100.0000,
108.9000

■ 47.9341, 23.9376,
37.1807

Harmonies

Analogous

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



56.6187, 45.8112, 101.8993



63.3282, 45.8112, 69.7947



64.3191, 45.8112, 40.9511

Triad

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



63.3282, 45.8112, 69.7947



40.3011, 45.8112, 13.8768



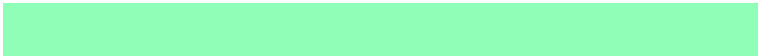
30.9508, 45.8112, 92.5285

Complementary

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



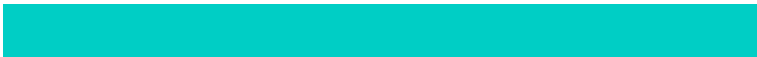
63.3282, 45.8112, 69.7947



55.6366, 80.7793, 57.4624

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.



27.8040, 45.8112, 60.0220



63.3282, 45.8112, 69.7947



32.6520, 45.8112, 19.4956

Square

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



63.3282, 45.8112, 69.7947



50.0311, 45.8112, 14.8353



28.3773, 45.8112, 34.1681



37.6400, 45.8112, 118.0124

Rectangle

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



63.3282, 45.8112, 69.7947



61.4682, 45.8112, 27.6493



28.3773, 45.8112, 34.1681



29.4915, 45.8112, 81.6525

Sweetspot

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



63.3293, 45.8132, 69.7956



83.5233, 79.9037, 95.9418



47.2131, 36.8368, 99.2296



17.4984, 16.4480, 20.0900



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.



63.3293, 45.8132, 69.7956



59.1680, 39.1487, 63.2968



57.3916, 43.4381, 38.5281



18.5011, 18.1838, 21.2560



25.1204, 12.5375, 19.8165



2.4980, 1.2416, 2.2041

Inverse Universe

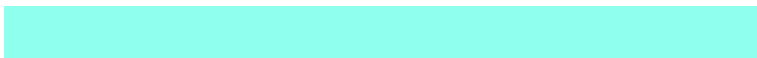
The Inverse Universe completely reimagines the original color for something new.



63.3293, 45.8132, 69.7956



59.1680, 39.1487, 63.2968



62.5510, 83.5451, 93.8728



18.5011, 18.1838, 21.2560



25.1204, 12.5375, 19.8165



2.4980, 1.2416, 2.2041

Previews

White Background



This preview shows how the XYZ color 63.3282, 45.8112, 69.7947 looks on a white background.

Color Contrast Check

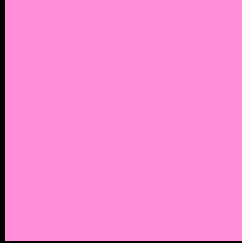
Large Text (above 18pt) WCAG AA × Fail

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 63.3282, 45.8112, 69.7947 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 63.3282, 45.8112, 69.7947

Background



This preview shows how black text looks on a background with the XYZ color 63.3282, 45.8112, 69.7947.



This preview shows how white text looks on a background with the XYZ color 63.3282, 45.8112,

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

63.3282, 45.8112, 69.7947

Protanopia

47.1581, 46.4240, 88.9133

Deuteranopia

47.0415, 45.9684, 66.7150



Tritanopia

57.6071, 45.8231, 41.4058

Trichromacy



Original Color

63.3282, 45.8112, 69.7947



Protanomaly

51.0860, 44.9123, 81.5777



Deuteranomaly

51.6117, 44.9557, 67.5851



Tritanomaly

59.4396, 45.6092, 50.4704

Monochromacy



Original Color

63.3282, 45.8112, 69.7947



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

50.9169, 46.4366, 58.5041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.3282, 45.8112, 69.7947 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, 143, 215)` looks like.

```
.text, #text, p{  
    color:rgb(255, 143, 215)  
}
```

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, 143, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 143, 215) }
```

Border

The CSS property to change the border of an element to XYZ 63.3282, 45.8112, 69.7947 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, 143, 215) }
```


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

```
.border{ border-color:rgb(255, 143, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 143, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 143, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 143, 215);  
box-shadow:4px 4px 4px 4px rgb(255, 143,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 63.3282, 45.8112, 69.7947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 143, 215) }
```

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

```
.background{ background-color: rgb(255,  
143, 215) }
```

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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