

Converting Colors

XYZ(63.2816, 41.8104, 81.8257)

Have a look what the booklet for
XYZ(63.2816, 41.8104, 81.8257)
contains.

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Color

**XYZ(63.2816, 41.8104,
81.8257)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7DE9
RGB	255, 125, 233
RGB Percent	100%, 49%, 91%
CMY	0.0000, 0.5098, 0.0863
CMYK	0.00, 0.51, 0.09, 0.00
HSL	310°, 100%, 75%
HSV	310°, 51%, 100%
XYZ	63.2816, 41.8104, 81.8257
YIQ	176.1820, 42.8120, 61.1480

Conversions

Conversions Part 2

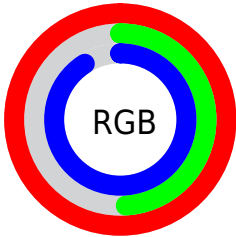
Format	Color
R _Y B	255, 125, 233
Decimal	16743913
CIE Lab	70.74, 62.72, -32.28
CIE LCh	71, 70.540, 332.765
Yxy	41.8104, 0.3386, 0.2237
Android (android.graphics.Color)	4294933993 (0xFFFF7DE9)
YUV	176.1820, 28.0113, 69.1234
Hunter-Lab	64.6610, 61.5355, -29.7663

Details

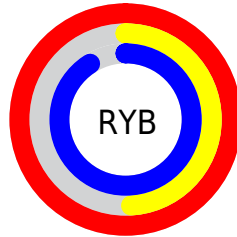
The XYZ color **63.2816, 41.8104, 81.8257** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **49.4853, 77.9872, 40.0510**, and the grayscale version is **41.2058, 43.3517, 47.2100**.

A 20% lighter version of the original color is **76.0179, 61.9359, 102.5560**, and **32.7679, 19.0443, 43.5438** is the 20% darker color. If you saturate the color by 10%, you get **59.8489, 35.9195, 77.6773**, and if you desaturate by 10%, it is **67.5597, 49.3676, 86.3313**.

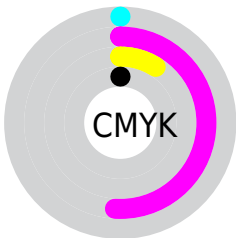
Distribution



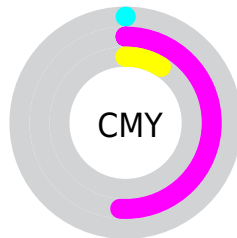
- Red (100%)
- Green (49%)
- Blue (91%)



- Red (100%)
- Yellow (49%)
- Blue (91%)



- Cyan (0%)
- Magenta (51%)
- Yellow (9%)
- Black (0%)





- Cyan (0%)
- Magenta (51%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.2816, 41.8104, 81.8257 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 63.2816, 41.8104, 81.8257 by changing the saturation by 10% instead.


 63.2816, 41.8104,
81.8257


 63.2816, 41.8104,
81.8257


426.2342,
353.6964, 520.9326


 46.3286, 28.9529,
60.6869

 108.6552, 77.9126,
137.7640

 32.7109, 19.0452,
43.5436


 137.8065,
101.9260, 173.4006

 22.0632, 11.7029,
29.9773

 171.7545,
130.4269, 214.7069

 14.0202, 6.5417,
19.5695

210.8648,
163.7996, 262.1015

 8.2165, 3.1772,
11.9015

255.5025,
202.4285, 316.0028

 4.2868, 1.2249,
6.5549

306.0331,

 1.8656, 0.0819,

246.6980, 376.8293

3.1112

362.8218,
296.9925, 444.9998

■ 0.5567, 0.0000,
1.1517

■ 0.0000, 0.0000,
0.0000

■ 63.2816, 41.8104,
81.8257

■ 63.2816, 41.8104,
81.8257

■ 59.8489, 35.9195,
77.6773

■ 67.5597, 49.3676,
86.3313

■ 57.1940, 31.5603,
73.8615

■ 72.7383, 58.7019,
91.2115

■ 55.2433, 28.5858,
70.3538

■ 78.8713, 69.9204,
96.4852

■ 53.9075, 26.8174,
67.1239

■ 86.0074, 83.1203,
102.1692

■ 53.1042, 26.0057,
64.4059

94.1918, 98.3922,
108.2791

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



53.1981, 41.8104, 124.0188



63.2816, 41.8104, 81.8257



66.7062, 41.8104, 42.4866

Triad

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



63.2816, 41.8104, 81.8257



38.6641, 41.8104, 6.7344



23.6674, 41.8104, 90.0446

Complementary

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



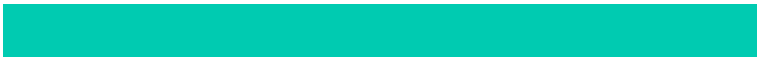
63.2816, 41.8104, 81.8257



49.4853, 77.9872, 40.0510

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.



21.2406, 41.8104, 48.7037



63.2816, 41.8104, 81.8257



28.7670, 41.8104, 9.9999

Square

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



63.2816, 41.8104, 81.8257



50.9474, 41.8104, 8.9106



22.9075, 41.8104, 21.9500



30.3091, 41.8104, 130.1806

Rectangle

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



63.2816, 41.8104, 81.8257



64.2978, 41.8104, 24.8700



22.9075, 41.8104, 21.9500



22.3979, 41.8104, 75.2783

Sweetspot

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



63.2825, 41.8121, 81.8265



83.0136, 77.5670, 99.8327



37.3583, 28.0616, 98.0552



17.4468, 16.0078, 21.1120



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.



63.2825, 41.8121, 81.8265



59.8422, 35.9082, 77.6685



55.6738, 38.7686, 41.7597



18.6529, 18.2445, 22.0553



27.7967, 13.6080, 33.9097



2.7398, 1.3383, 3.4774

Inverse Universe

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



63.2825, 41.8121, 81.8265



59.8422, 35.9082, 77.6685



56.0603, 80.6172, 74.6745



18.6529, 18.2445, 22.0553



27.7967, 13.6080, 33.9097



2.7398, 1.3383, 3.4774

Previews

White Background



This preview shows how the XYZ color 63.2816, 41.8104, 81.8257 looks on a white background.

Color Contrast Check

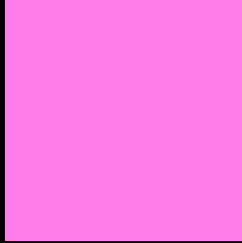
Large Text (above 18pt) WCAG AA × Fail

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 63.2816, 41.8104, 81.8257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

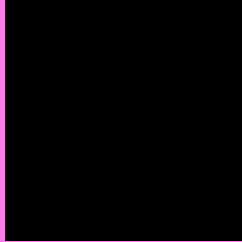
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.2816, 41.8104, 81.8257

Background



This preview shows how black text looks on a background with the XYZ color 63.2816, 41.8104, 81.8257.



This preview shows how white text looks on a background with the XYZ color 63.2816, 41.8104,

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

63.2816, 41.8104, 81.8257

Protanopia

44.2900, 42.3656, 100.4508

Deuteranopia

42.8656, 41.8671, 77.0561



Tritanopia

53.6612, 41.5708, 35.7676

Trichromacy



Original Color

63.2816, 41.8104, 81.8257



Protanomaly

48.3517, 40.1409, 93.1952



Deuteranomaly

48.3241, 40.4484, 78.6592



Tritanomaly

56.4183, 41.1670, 49.7722

Monochromacy



Original Color

63.2816, 41.8104, 81.8257



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

47.3119, 41.1243, 58.2675

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.2816, 41.8104, 81.8257 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, 125, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 125, 233)  
}
```

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, 125, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 125, 233) }
```

Border

The CSS property to change the border of an element to XYZ 63.2816, 41.8104, 81.8257 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, 125, 233) }
```


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

```
.border{ border-color:rgb(255, 125, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 125, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 125, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 125, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 125,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 63.2816, 41.8104, 81.8257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 125, 233) }
```

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

```
.background{ background-color: rgb(255,  
125, 233) }
```

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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