

Converting Colors

XYZ(81.5832, 50.4884, 85.7979)

Have a look what the booklet for
XYZ(81.5832, 50.4884, 85.7979)
contains.

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Color

**XYZ(63.3634, 41.0492,
84.7044)**

Conversions

Conversions Part 1

Format	Color
Hex	FF79ED
RGB	255, 121, 237
RGB Percent	100%, 47%, 93%
CMY	0.0000, 0.5255, 0.0706
CMYK	0.00, 0.53, 0.07, 0.00
HSL	308°, 100%, 74%
HSV	308°, 53%, 100%
XYZ	63.3634, 41.0492, 84.7044
YIQ	174.2900, 42.6280, 64.4840

Conversions

Conversions Part 2

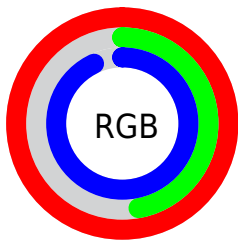
Format	Color
R _Y B	255, 121, 237
Decimal	16742893
CIE _{Lab}	70.21, 65.19, -35.30
CIE _{LCh}	70, 74.136, 331.563
Yxy	41.0492, 0.3350, 0.2171
Android (android.graphics.Color)	4294932973 (0xFFFF79ED)
YUV	174.2900, 30.9160, 70.7827
Hunter-Lab	64.0696, 64.4105, -33.5366

Details

The XYZ color **63.3634, 41.0492, 84.7044** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **48.3068, 77.4497, 36.8318**, and the grayscale version is **40.2132, 42.3074, 46.0728**.

A 20% lighter version of the original color is **75.2104, 60.3208, 102.2868**, and **32.8829, 18.6270, 45.5783** is the 20% darker color. If you saturate the color by 10%, you get **60.1683, 35.4522, 81.1941**, and if you desaturate by 10%, it is **67.3888, 48.2910, 88.5397**.

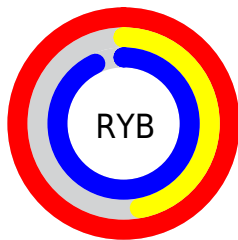
Distribution



Red (100%)

Green (47%)

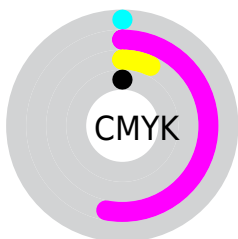
Blue (93%)



Red (100%)

Yellow (47%)

Blue (93%)

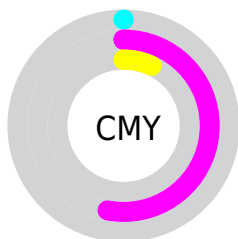


Cyan (0%)

Magenta (53%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (53%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.3634, 41.0492, 84.7044 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 63.3634, 41.0492, 84.7044 by changing the saturation by 10% instead.


 63.3634, 41.0492,
84.7044


 63.3634, 41.0492,
84.7044


426.5259,
350.5262, 530.7685


 46.3950, 28.3575,
63.0484

 108.7725, 76.7586,
141.8306

 32.7636, 18.5953,
45.4391


 137.9439,
100.5451, 178.1379

 22.1038, 11.3783,
31.4580


 171.9137,
128.7986, 220.1660

 14.0502, 6.3219,
20.6865

211.0472,
161.9036, 268.3336

 8.2375, 3.0418,
12.7060

255.7099,
200.2445, 323.0591

 4.3004, 1.1536,
7.0981

306.2669,

 1.8734, 0.0233,

244.2056, 384.7610

3.4441

363.0838,
294.1714, 453.8580

■ 0.5613, 0.0000,
1.3256

■ 0.0000, 0.0000,
0.0827

■ 63.3634, 41.0492,
84.7044

■ 63.3634, 41.0492,
84.7044

■ 60.1683, 35.4522,
81.1941

■ 67.3888, 48.2910,
88.5397

■ 57.7346, 31.3628,
77.9839

■ 72.3004, 57.2903,
92.7173

■ 55.9868, 28.6302,
75.0491

■ 78.1528, 68.1556,
97.2562

■ 54.8326, 27.0698,
72.3586

■ 84.9952, 80.9853,
102.1730

■ 54.2573, 26.4669,
70.4781

■ 92.8733, 95.8709,
107.4832

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.



52.5602, 41.0492, 129.3272



63.3634, 41.0492, 84.7044



67.3240, 41.0492, 42.8957

Triad

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



63.3634, 41.0492, 84.7044



38.3824, 41.0492, 5.6347



22.3095, 41.0492, 89.6369

Complementary

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



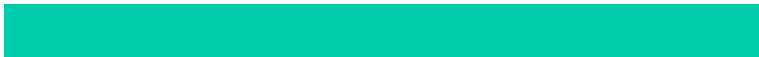
63.3634, 41.0492, 84.7044



48.3068, 77.4497, 36.8318

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.



20.0188, 41.0492, 46.5451



63.3634, 41.0492, 84.7044



28.0248, 41.0492, 8.4980

Square

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



63.3634, 41.0492, 84.7044



51.2257, 41.0492, 7.9089



21.8735, 41.0492, 19.8141



28.9192, 41.0492, 133.0677

Rectangle

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



63.3634, 41.0492, 84.7044



65.0122, 41.0492, 24.3464



21.8735, 41.0492, 19.8141



21.0789, 41.0492, 74.0562

Sweetspot

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



63.3644, 41.0509, 84.7052



82.5172, 76.3264, 100.4312



35.5144, 26.3744, 97.8267



17.3584, 15.7673, 21.2789



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.



63.3644, 41.0509, 84.7052



60.0419, 35.2350, 81.0421



55.3470, 37.8439, 42.4861



18.6815, 18.2559, 22.2059



28.3914, 13.8458, 37.0409



2.7922, 1.3593, 3.7531

Inverse Universe

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



63.3644, 41.0509, 84.7052



60.0419, 35.2350, 81.0421



54.7708, 80.0353, 70.8709



18.6815, 18.2559, 22.2059



28.3914, 13.8458, 37.0409



2.7922, 1.3593, 3.7531

Previews

White Background



This preview shows how the XYZ color 63.3634, 41.0492, 84.7044 looks on a white background.

Color Contrast Check

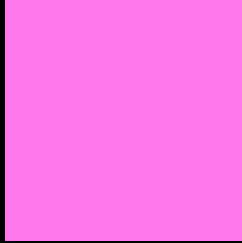
Large Text (above 18pt) WCAG AA × Fail

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 63.3634, 41.0492, 84.7044 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 63.3634, 41.0492, 84.7044

Background



This preview shows how black text looks on a background with the XYZ color 63.3634, 41.0492, 84.7044.



This preview shows how white text looks on a background with the XYZ color 63.3634, 41.0492,

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

63.3634, 41.0492, 84.7044

Protanopia

43.3933, 41.3467, 100.3014

Deuteranopia

42.2355, 41.2012, 79.8553



Tritanopia

52.8486, 40.7292, 34.7819

Trichromacy



Original Color

63.3634, 41.0492, 84.7044



Protanomaly

47.7000, 39.3011, 93.8787



Deuteranomaly

47.7860, 39.6201, 81.4728



Tritanomaly

56.1393, 40.6088, 49.6792

Monochromacy



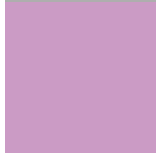
Original Color

63.3634, 41.0492, 84.7044



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

46.4280, 40.1704, 58.1300

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.3634, 41.0492, 84.7044 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, 121, 237)` looks like.

```
.text, #text, p{  
    color:rgb(255, 121, 237)  
}
```

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, 121, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 121, 237) }
```

Border

The CSS property to change the border of an element to XYZ 63.3634, 41.0492, 84.7044 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, 121, 237) }
```


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

```
.border{ border-color:rgb(255, 121, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 121, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 121, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 121, 237);  
box-shadow:4px 4px 4px 4px rgb(255, 121,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 63.3634, 41.0492, 84.7044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 121, 237) }
```

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

```
.background{ background-color: rgb(255,  
121, 237) }
```

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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