

Converting Colors

XYZ(63.5366, 42.7031, 88.1609)

Have a look what the booklet for
XYZ(63.5366, 42.7031, 88.1609)
contains.

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Color

**XYZ(63.6435, 42.8254,
88.1308)**

Conversions

Conversions Part 1

Format	Color
Hex	FB82F1
RGB	251, 130, 241
RGB Percent	98%, 51%, 95%
CMY	0.0157, 0.4902, 0.0549
CMYK	0.00, 0.48, 0.04, 0.02
HSL	305°, 94%, 75%
HSV	305°, 48%, 98%
XYZ	63.6435, 42.8254, 88.1308
YIQ	178.8330, 36.4850, 60.1730

Conversions

Conversions Part 2

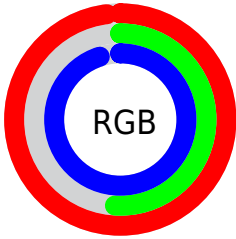
Format	Color
R _{YB}	251, 130, 241
Decimal	16483057
CIE _{Lab}	71.44, 60.55, -35.64
CIE _{LCh}	71, 70.258, 329.521
Yxy	42.8254, 0.3270, 0.2201
Android (android.graphics.Color)	4294673137 (0xFFFB82F1)
YUV	178.8330, 30.6483, 63.2905
Hunter-Lab	65.4411, 59.0748, -34.0382

Details

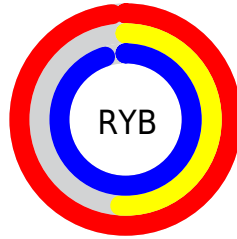
The XYZ color **63.6435, 42.8254, 88.1308** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **48.4387, 75.6353, 36.8597**, and the grayscale version is **42.5888, 44.8068, 48.7946**.

A 20% lighter version of the original color is **76.8489, 63.5978, 102.8330**, and **32.9440, 19.6068, 47.9471** is the 20% darker color. If you saturate the color by 10%, you get **60.3953, 36.8212, 85.5281**, and if you desaturate by 10%, it is **67.7123, 50.4632, 91.0252**.

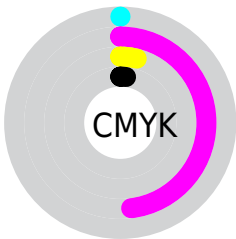
Distribution



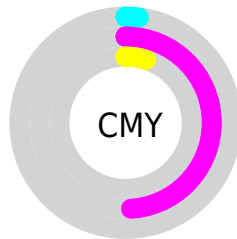
- Red (98%)
- Green (51%)
- Blue (95%)



- Red (98%)
- Yellow (51%)
- Blue (95%)



- Cyan (0%)
- Magenta (48%)
- Yellow (4%)
- Black (2%)





- Cyan (2%)
- Magenta (49%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.6435, 42.8254, 88.1308 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 63.6435, 42.8254, 88.1308 by changing the saturation by 10% instead.


 63.6435, 42.8254,
88.1308


 63.6435, 42.8254,
88.1308


427.5238,
357.8932, 542.3439


 46.6226, 29.7481,
65.8664


 109.1740, 79.4473,
146.6520

 32.9441, 19.6475,
47.7082


 138.4142,
103.7608, 183.7459

 22.2427, 12.1391,
33.2375


 172.4583,
132.5884, 226.6201

 14.1529, 6.8385,
22.0359

211.6716,
166.3146, 275.6931

 8.3095, 3.3613,
13.6847

256.4195,
205.3238, 331.3834

 4.3471, 1.3231,
7.7654

307.0672,

 1.9003, 0.1590,

250.0004, 394.1096

3.8596

363.9802,
300.7287, 464.2903

■ 0.5770, 0.0000,
1.5486

■ 0.0000, 0.0000,
0.2538

■ 63.6435, 42.8254,
88.1308

■ 63.6435, 42.8254,
88.1308

■ 60.3953, 36.8212,
85.5281

■ 67.7123, 50.4632,
91.0252

■ 57.9030, 32.3242,
83.1944

■ 72.6515, 59.8372,
94.2269

■ 56.0996, 29.1993,
81.1075

■ 78.5121, 71.0483,
97.7532

■ 54.9040, 27.2844,
79.2406

■ 85.3400, 84.1881,
101.6195

■ 54.2043, 26.3558,
77.5561

■ 93.0158, 99.0181,
105.7860

■ 54.1030, 26.2370,
77.2636

■ 93.3454, 99.1500,
107.5216

■ 93.5942, 99.2495,
108.8319

Harmonies

Analogous

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



52.9831, 42.8254, 129.4776



63.6435, 42.8254, 88.1308



67.9747, 42.8254, 47.1766

Triad

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



63.6435, 42.8254, 88.1308



40.8948, 42.8254, 7.0991



23.9350, 42.8254, 86.6958

Complementary

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



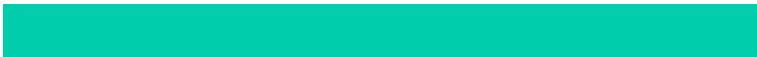
63.6435, 42.8254, 88.1308



48.4387, 75.6353, 36.8597

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.



21.9206, 42.8254, 46.0868



63.6435, 42.8254, 88.1308



30.4861, 42.8254, 9.7954

Square

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



63.6435, 42.8254, 88.1308



53.3769, 42.8254, 9.9892



24.0688, 42.8254, 20.7624



30.2152, 42.8254, 128.4040

Rectangle

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



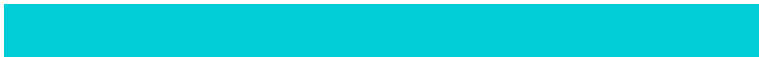
63.6435, 42.8254, 88.1308



66.1506, 42.8254, 28.0610



24.0688, 42.8254, 20.7624



22.7976, 42.8254, 71.9835

Sweetspot

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



63.6449, 42.8273, 88.1317



84.2284, 79.1111, 102.9670



35.8895, 28.3415, 94.8469



17.7102, 16.3214, 21.8571



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.



63.6449, 42.8273, 88.1317



62.6519, 38.2538, 88.6979



56.2565, 39.8720, 49.2244



17.9275, 17.4984, 21.4740



28.4647, 13.8016, 40.7512



2.6541, 1.2854, 3.8678

Inverse Universe

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



63.6449, 42.8273, 88.1317



62.6519, 38.2538, 88.6979



53.9635, 77.8452, 65.9530



17.9275, 17.4984, 21.4740



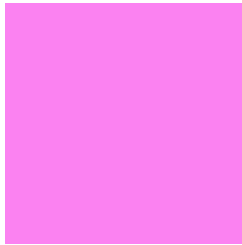
28.4647, 13.8016, 40.7512



2.6541, 1.2854, 3.8678

Previews

White Background



This preview shows how the XYZ color 63.6435, 42.8254, 88.1308 looks on a white background.

Color Contrast Check

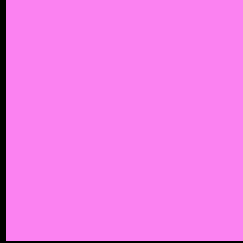
Large Text (above 18pt) WCAG AA × Fail

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 63.6435, 42.8254, 88.1308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

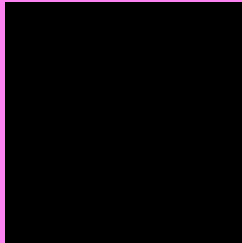
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.6435, 42.8254, 88.1308

Background



This preview shows how black text looks on a background with the XYZ color 63.6435, 42.8254, 88.1308.



This preview shows how white text looks on a background with the XYZ color 63.6435, 42.8254,

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

63.6435, 42.8254, 88.1308

Protanopia

45.0262, 43.3102, 100.5943

Deuteranopia

44.1488, 43.2439, 83.1108



Tritanopia

53.3682, 42.7337, 38.6933

Trichromacy



Original Color

63.6435, 42.8254, 88.1308



Protanomaly

49.3199, 41.3304, 95.8206



Deuteranomaly

49.1896, 41.5075, 84.7761



Tritanomaly

56.5145, 42.4326, 53.3558

Monochromacy



Original Color

63.6435, 42.8254, 88.1308



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

48.5824, 42.7331, 61.5649

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.6435, 42.8254, 88.1308 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(251, 130, 241)` looks like.

```
.text, #text, p{  
    color:rgb(251, 130, 241)  
}
```

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(251, 130, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 130, 241) }
```

Border

The CSS property to change the border of an element to XYZ 63.6435, 42.8254, 88.1308 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(251, 130, 241) }
```


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

```
.border{ border-color:rgb(251, 130, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 130, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 130, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 130, 241);  
box-shadow:4px 4px 4px 4px rgb(251, 130,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 63.6435, 42.8254, 88.1308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 130, 241) }
```

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

```
.background{ background-color: rgb(251,  
130, 241) }
```

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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