

Converting Colors

XYZ(51.0384, 33.6522, 39.9043)

Have a look what the booklet for
XYZ(51.0384, 33.6522, 39.9043)
contains.

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Color

**XYZ(51.0630, 33.6469,
39.8796)**

Conversions

Conversions Part 1

Format	Color
Hex	F86DA6
RGB	248, 109, 166
RGB Percent	97%, 43%, 65%
CMY	0.0275, 0.5725, 0.3490
CMYK	0.00, 0.56, 0.33, 0.03
HSL	335°, 91%, 70%
HSV	335°, 56%, 97%
XYZ	51.0630, 33.6469, 39.8796
YIQ	157.0590, 64.5470, 47.1950

Conversions

Conversions Part 2

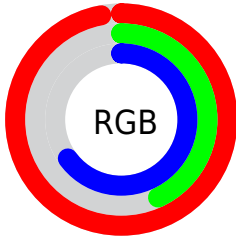
Format	Color
R _Y B	248, 109, 166
Decimal	16280998
CIE Lab	64.68, 58.70, -3.99
CIE LCh	65, 58.839, 356.112
Yxy	33.6469, 0.4098, 0.2701
Android (android.graphics.Color)	4294471078 (0xFFFF86DA6)
YUV	157.0590, 4.4079, 79.7553
Hunter-Lab	58.0059, 55.6243, -0.1582

Details

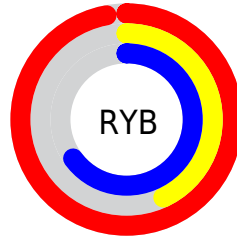
The XYZ color **51.0630, 33.6469, 39.8796** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **49.2799, 74.1486, 61.0092**, and the grayscale version is **32.0360, 33.7044, 36.7041**.

A 20% lighter version of the original color is **67.7463, 53.3907, 75.1414**, and **25.0043, 14.3623, 17.3739** is the 20% darker color. If you saturate the color by 10%, you get **47.5140, 28.5758, 32.4473**, and if you desaturate by 10%, it is **55.5128, 40.2747, 48.3661**.

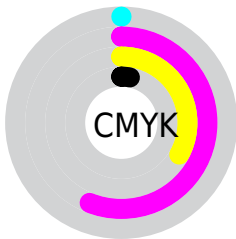
Distribution



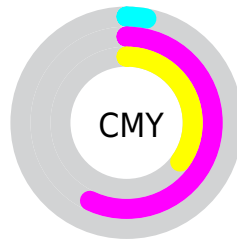
- Red (97%)
- Green (43%)
- Blue (65%)



- Red (97%)
- Yellow (43%)
- Blue (65%)



- Cyan (0%)
- Magenta (56%)
- Yellow (33%)
- Black (3%)





- Cyan (3%)
- Magenta (57%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.0630, 33.6469, 39.8796 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 51.0630, 33.6469, 39.8796 by changing the saturation by 10% instead.


 51.0630, 33.6469,
39.8796

 51.0630, 33.6469,
39.8796


381.1921,
318.5547, 361.1528


 36.4800, 22.6225,
27.1316


 90.9303, 65.3842,
76.2152


 24.9770, 14.3150,
17.4388


 116.9454, 86.8658,
100.6399

 16.1885, 8.3401,
10.3826

 147.5018,
112.6020, 129.7940

 9.7494, 4.3133,
5.5444

 182.9649,
142.9771, 164.0959

 5.2941, 1.8503,
2.5058

223.7002,
178.3756, 203.9641

 2.4573, 0.5183,
0.8432

270.0729,

 0.8738, 0.0000,

219.1817, 249.8174

0.0000

322.4484,
265.7800, 302.0741

■ 0.0000, 0.0000,
0.0000

■ 51.0630, 33.6469,
39.8796

■ 51.0630, 33.6469,
39.8796

■ 47.5140, 28.5758,
32.4473

■ 55.5128, 40.2747,
48.3661

■ 44.7931, 24.9252,
26.0190

■ 60.9223, 48.5701,
57.9496

■ 42.8206, 22.5434,
20.5419

■ 67.3488, 58.6398,
68.6722

■ 41.4970, 21.2410,
15.9547

■ 74.8439, 70.5800,
80.5731

■ 41.0945, 20.9097,
14.3602

■ 83.4556, 84.4799,
93.6894

92.3267, 98.6186,
107.7558

92.5215, 98.6965,
108.7817

Harmonies

Analogous

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



47.4365, 33.6469, 69.1505



51.0630, 33.6469, 39.8796



48.8826, 33.6469, 19.7478

Triad

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



51.0630, 33.6469, 39.8796



25.3549, 33.6469, 8.7394



23.7565, 33.6469, 90.3633

Complementary

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



51.0630, 33.6469, 39.8796



49.2799, 74.1486, 61.0092

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.



19.5069, 33.6469, 61.1416



51.0630, 33.6469, 39.8796



20.3094, 33.6469, 16.3475

Square

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



51.0630, 33.6469, 39.8796



33.0938, 33.6469, 7.0742



18.3653, 33.6469, 33.5728



30.8922, 33.6469, 105.3437

Rectangle

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



51.0630, 33.6469, 39.8796



44.6051, 33.6469, 12.3074



18.3653, 33.6469, 33.5728



21.9955, 33.6469, 81.3905

Sweetspot

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



51.0639, 33.6486, 39.8802



78.8984, 73.8531, 84.5372



43.6696, 28.6746, 92.0402



16.5285, 15.2333, 17.5319



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.



51.0639, 33.6486, 39.8802



50.2719, 29.9639, 33.7959



48.2599, 34.6362, 18.6121



17.5397, 17.3432, 19.4316



22.2648, 11.3216, 8.1027



2.1133, 1.0691, 1.0200

Inverse Universe

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



51.0639, 33.6486, 39.8802



50.2719, 29.9639, 33.7959



53.3667, 70.2606, 99.5561



17.5397, 17.3432, 19.4316



22.2648, 11.3216, 8.1027



2.1133, 1.0691, 1.0200

Previews

White Background



This preview shows how the XYZ color 51.0630, 33.6469, 39.8796 looks on a white background.

Color Contrast Check

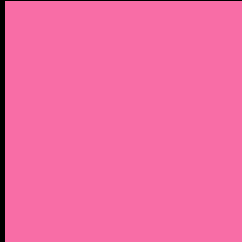
Large Text (above 18pt) WCAG AA × Fail

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 51.0630, 33.6469, 39.8796 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 51.0630, 33.6469, 39.8796

Background



This preview shows how black text looks on a background with the XYZ color 51.0630, 33.6469, 39.8796.



This preview shows how white text looks on a background with the XYZ color 51.0630, 33.6469,

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

51.0630, 33.6469, 39.8796

Protanopia

34.0650, 34.0584, 57.0031

Deuteranopia

34.2808, 33.6176, 37.4829



Tritanopia

47.7191, 33.6157, 23.3754

Trichromacy



Original Color

51.0630, 33.6469, 39.8796



Protanomaly

37.7567, 32.1584, 50.1161



Deuteranomaly

38.8789, 32.3591, 38.3792



Tritanomaly

48.7570, 33.5209, 28.7113

Monochromacy



Original Color

51.0630, 33.6469, 39.8796



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

36.9585, 32.2414, 37.5330

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.0630, 33.6469, 39.8796 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(248, 109, 166)` looks like.

```
.text, #text, p{  
    color:rgb(248, 109, 166)  
}
```

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(248, 109, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 109, 166) }
```

Border

The CSS property to change the border of an element to XYZ 51.0630, 33.6469, 39.8796 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(248, 109, 166) }
```


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

```
.border{ border-color:rgb(248, 109, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 109, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 109, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 109, 166);  
box-shadow:4px 4px 4px 4px rgb(248, 109,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 51.0630, 33.6469, 39.8796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 109, 166) }
```

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

```
.background{ background-color: rgb(248,  
109, 166) }
```

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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