

Converting Colors

XYZ(52.1562, 33.9421, 44.1437)

Have a look what the booklet for
XYZ(52.1562, 33.9421, 44.1437)
contains.

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Color

**XYZ(52.1673, 33.9600,
44.3629)**

Conversions

Conversions Part 1

Format	Color
Hex	F96CAF
RGB	249, 108, 175
RGB Percent	98%, 42%, 69%
CMY	0.0235, 0.5764, 0.3137
CMYK	0.00, 0.57, 0.30, 0.02
HSL	331°, 92%, 70%
HSV	331°, 57%, 98%
XYZ	52.1673, 33.9600, 44.3629
YIQ	157.7970, 62.5290, 50.7290

Conversions

Conversions Part 2

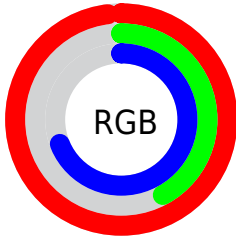
Format	Color
R _Y B	249, 108, 175
Decimal	16346287
CIE Lab	64.93, 60.54, -8.73
CIE LCh	65, 61.164, 351.791
Yxy	33.9600, 0.3998, 0.2602
Android (android.graphics.Color)	4294536367 (0xFFFF96CAF)
YUV	157.7970, 8.4811, 79.9850
Hunter-Lab	58.2752, 57.8095, -4.3428

Details

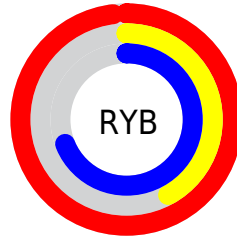
The XYZ color **52.1673, 33.9600, 44.3629** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **48.5053, 74.3177, 56.0482**, and the grayscale version is **32.3517, 34.0365, 37.0658**.

A 20% lighter version of the original color is **68.9393, 53.5804, 82.3099**, and **25.7020, 14.5301, 20.1888** is the 20% darker color. If you saturate the color by 10%, you get **48.6840, 28.9490, 37.1726**, and if you desaturate by 10%, it is **56.5265, 40.5235, 52.4588**.

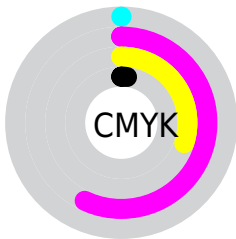
Distribution



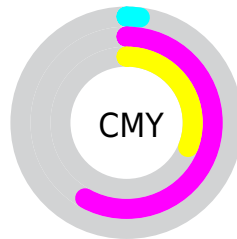
- Red (98%)
- Green (42%)
- Blue (69%)



- Red (98%)
- Yellow (42%)
- Blue (69%)



- Cyan (0%)
- Magenta (57%)
- Yellow (30%)
- Black (2%)





- Cyan (2%)
- Magenta (58%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.1673, 33.9600, 44.3629 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 52.1673, 33.9600, 44.3629 by changing the saturation by 10% instead.


 52.1673, 33.9600,
44.3629

 52.1673, 33.9600,
44.3629

385.3955,
319.9537, 380.2717


 37.3633, 22.8629,
30.6166


 92.5507, 65.8715,
83.0718


 25.6638, 14.4923,
20.0511


 118.8607, 87.4546,
108.8716

 16.7037, 8.4638,
12.2477


 149.7368,
113.3018, 139.5262

 10.1174, 4.3932,
6.7880

 185.5443,
143.7976, 175.4543

 5.5398, 1.8958,
3.2535

226.6486,
179.3263, 217.0743

 2.6053, 0.5459,
1.2255

273.4150,

 0.9486, 0.0000,

220.2722, 264.8049

0.0000

326.2088,
267.0199, 319.0645

■ 0.0000, 0.0000,
0.0000

■ 52.1673, 33.9600,
44.3629

■ 52.1673, 33.9600,
44.3629

■ 48.6840, 28.9490,
37.1726

■ 56.5265, 40.5235,
52.4588

■ 46.0044, 25.3524,
30.8454

■ 61.8200, 48.7516,
61.4953

■ 44.0487, 23.0164,
25.3371

■ 68.1043, 58.7520,
71.5077

■ 42.7162, 21.7455,
20.5950

■ 75.4306, 70.6219,
82.5284

■ 42.3556, 21.4552,
19.1461

■ 83.8461, 84.4511,
94.5880

92.6224, 98.7779,
107.4581

92.8769, 98.8797,
108.7983

Harmonies

Analogous

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



47.5414, 33.9600, 75.9437



52.1673, 33.9600, 44.3629



50.7491, 33.9600, 21.7038

Triad

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



52.1673, 33.9600, 44.3629



26.3765, 33.9600, 7.7101



22.8741, 33.9600, 89.8549

Complementary

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



52.1673, 33.9600, 44.3629



48.5053, 74.3177, 56.0482

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.



18.9402, 33.9600, 58.1241



52.1673, 33.9600, 44.3629



20.6906, 33.9600, 14.3182

Square

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



52.1673, 33.9600, 44.3629



34.7633, 33.9600, 6.7101



18.2211, 33.9600, 30.4595



29.9140, 33.9600, 109.0024

Rectangle

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



52.1673, 33.9600, 44.3629



46.6636, 33.9600, 13.1164



18.2211, 33.9600, 30.4595



21.2020, 33.9600, 79.7687

Sweetspot

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



52.1683, 33.9617, 44.3635



79.2968, 74.0125, 86.6351



41.4841, 27.3725, 92.7195



16.6223, 15.2708, 18.0258



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.



52.1683, 33.9617, 44.3635



50.9273, 29.9145, 38.2078



47.3888, 32.4519, 17.9558



17.5880, 17.3626, 19.6863



22.7430, 11.5129, 10.6210



2.1596, 1.0876, 1.2636

Inverse Universe

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



52.1683, 33.9617, 44.3635



50.9273, 29.9145, 38.2078



56.4381, 76.3360, 101.3823



17.5880, 17.3626, 19.6863



22.7430, 11.5129, 10.6210



2.1596, 1.0876, 1.2636

Previews

White Background



This preview shows how the XYZ color 52.1673, 33.9600, 44.3629 looks on a white background.

Color Contrast Check

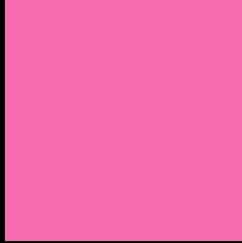
Large Text (above 18pt) WCAG AA × Fail

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 52.1673, 33.9600, 44.3629 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 52.1673, 33.9600, 44.3629

Background



This preview shows how black text looks on a background with the XYZ color 52.1673, 33.9600, 44.3629.



This preview shows how white text looks on a background with the XYZ color 52.1673, 33.9600,

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

52.1673, 33.9600, 44.3629

Protanopia

34.6526, 34.2112, 63.8085

Deuteranopia

34.8213, 34.0446, 41.7818



Tritanopia

47.9654, 33.9017, 24.0943

Trichromacy



Original Color

52.1673, 33.9600, 44.3629



Protanomaly

38.3743, 32.3505, 55.8515



Deuteranomaly

39.5850, 32.8374, 42.7800



Tritanomaly

49.0574, 33.6411, 30.2933

Monochromacy



Original Color

52.1673, 33.9600, 44.3629



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

37.5648, 32.5129, 39.4177

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.1673, 33.9600, 44.3629 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(249, 108, 175)` looks like.

```
.text, #text, p{  
    color:rgb(249, 108, 175)  
}
```

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(249, 108, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 108, 175) }
```

Border

The CSS property to change the border of an element to XYZ 52.1673, 33.9600, 44.3629 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(249, 108, 175) }
```


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

```
.border{ border-color:rgb(249, 108, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 108, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 108, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 108, 175);  
box-shadow:4px 4px 4px 4px rgb(249, 108,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 52.1673, 33.9600, 44.3629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 108, 175) }
```

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

```
.background{ background-color: rgb(249,  
108, 175) }
```

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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