

Converting Colors

XYZ(51.3452, 28.4001, 45.5923)

Have a look what the booklet for
XYZ(51.3452, 28.4001, 45.5923)
contains.

XYZ(51.3249, 28.4111, 45.4266)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(51.3249, 28.4111,
45.4266)**

Conversions

Conversions Part 1

Format	Color
Hex	FF42B3
RGB	255, 66, 179
RGB Percent	100%, 26%, 70%
CMY	0.0000, 0.7411, 0.2980
CMYK	0.00, 0.74, 0.30, 0.00
HSL	324°, 100%, 63%
HSV	324°, 74%, 100%
XYZ	51.3249, 28.4111, 45.4266
YIQ	135.3930, 76.3710, 75.2110

Conversions

Conversions Part 2

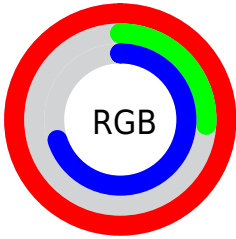
Format	Color
R_{YB}	255, 66, 179
Decimal	16728755
CIE _{Lab}	60.26, 78.46, -17.96
CIE _{LCh}	60, 80.492, 347.104
Yxy	28.4111, 0.4101, 0.2270
Android (android.graphics.Color)	4294918835 (0xFFFF42B3)
YUV	135.3930, 21.4983, 104.8953
Hunter-Lab	53.3021, 78.6002, -13.2184

Details

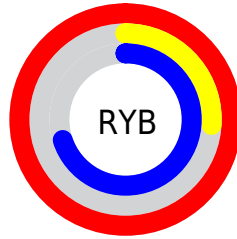
The XYZ color **51.3249, 28.4111, 45.4266** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **42.8910, 74.6320, 37.7407**, and the grayscale version is **23.0798, 24.2817, 26.4428**.

A 20% lighter version of the original color is **64.2180, 43.2234, 83.5556**, and **25.7582, 12.8438, 20.8602** is the 20% darker color. If you saturate the color by 10%, you get **49.1538, 25.6674, 39.7748**, and if you desaturate by 10%, it is **54.2381, 32.5153, 51.7068**.

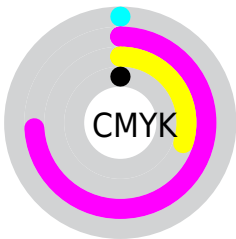
Distribution



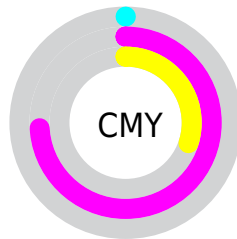
- Red (100%)
- Green (26%)
- Blue (70%)



- Red (100%)
- Yellow (26%)
- Blue (70%)



- Cyan (0%)
- Magenta (74%)
- Yellow (30%)
- Black (0%)





- Cyan (0%)
- Magenta (74%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.3249, 28.4111, 45.4266 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 51.3249, 28.4111, 45.4266 by changing the saturation by 10% instead.


 51.3249, 28.4111,
45.4266

 51.3249, 28.4111,
45.4266


382.1917,
294.4261, 384.7090


 36.6893, 18.6358,
31.4482


 91.3150, 57.1401,
84.6854


 25.1396, 11.4074,
20.6790


 117.4002, 76.8626,
110.8029

 16.3104, 6.3416,
12.7006


 148.0327,
100.6696, 141.8038

 9.8363, 3.0539,
7.0944

 183.5778,
128.9455, 178.1067

 5.3520, 1.1599,
3.4419

 224.4009,
162.0747, 220.1302

 2.4921, 0.0286,
1.3245

270.8674,

 0.8913, 0.0000,

200.4416, 268.2926

0.0817

323.3425,
244.4306, 323.0127

■ 0.0000, 0.0000,
0.0000

■ 51.3249, 28.4111,
45.4266

■ 51.3249, 28.4111,
45.4266

■ 49.1538, 25.6674,
39.7748

■ 54.2381, 32.5153,
51.7068

■ 47.6249, 24.0876,
34.7092


■ 57.9708, 38.1327,
58.6485


■ 46.9448, 23.5419,
31.9710

■ 62.5929, 45.4002,
66.2830

■ 68.1657, 54.4381,
74.6381

■ 74.7448, 65.3554,
83.7397

 82.3815, 78.2522,
93.6121

 91.1234, 93.2215,
104.2780

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.



44.3002, 28.4111, 87.9607



51.3249, 28.4111, 45.4266



50.7486, 28.4111, 17.0534

Triad

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



51.3249, 28.4111, 45.4266



21.5795, 28.4111, 2.2090



15.6263, 28.4111, 94.0145

Complementary

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



51.3249, 28.4111, 45.4266



42.8910, 74.6320, 37.7407

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.



12.1347, 28.4111, 50.8334



51.3249, 28.4111, 45.4266



14.9220, 28.4111, 6.1391

Square

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



51.3249, 28.4111, 45.4266



31.6779, 28.4111, 2.0284



11.9149, 28.4111, 19.9082



22.8139, 28.4111, 125.9404

Rectangle

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



51.3249, 28.4111, 45.4266



46.1169, 28.4111, 7.7604



11.9149, 28.4111, 19.9082



14.0710, 28.4111, 79.4254

Sweetspot

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



51.3257, 28.4126, 45.4271



76.2685, 67.9121, 85.7605



31.0870, 16.8340, 96.2186



15.9079, 13.8371, 17.8025



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.



51.3257, 28.4126, 45.4271



48.3333, 24.7636, 37.2287



44.8251, 25.8123, 11.1956



18.4653, 18.1694, 21.0675



24.6055, 12.3315, 17.1048



2.4498, 1.2223, 1.9502

Inverse Universe

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



51.3257, 28.4126, 45.4271



48.3333, 24.7636, 37.2287



53.1626, 78.7407, 91.8305



18.4653, 18.1694, 21.0675



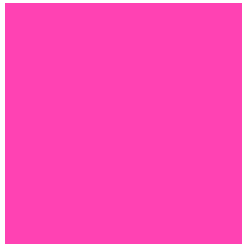
24.6055, 12.3315, 17.1048



2.4498, 1.2223, 1.9502

Previews

White Background



This preview shows how the XYZ color 51.3249, 28.4111, 45.4266 looks on a white background.

Color Contrast Check

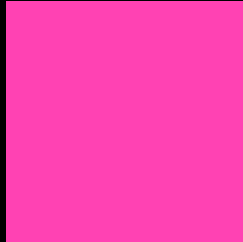
Large Text (above 18pt) WCAG AA ✓ Pass

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 51.3249, 28.4111, 45.4266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

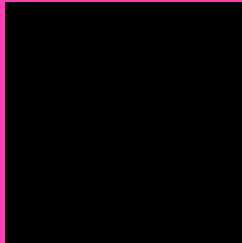
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 51.3249, 28.4111, 45.4266

Background



This preview shows how black text looks on a background with the XYZ color 51.3249, 28.4111, 45.4266.



This preview shows how white text looks on a background with the XYZ color 51.3249, 28.4111,

45.4266.

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

51.3249, 28.4111, 45.4266

Protanopia

31.1042, 28.9004, 81.7809

Deuteranopia

29.0472, 28.5065, 41.5075



Tritanopia

44.9193, 28.4664, 14.1934

Trichromacy



Original Color

51.3249, 28.4111, 45.4266



Protanomaly

33.3726, 24.9030, 66.6662



Deuteranomaly

34.0537, 25.6166, 42.6848



Tritanomaly

46.5668, 28.0502, 22.6985

Monochromacy



Original Color

51.3249, 28.4111, 45.4266



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

29.7523, 22.9699, 32.1437

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.3249, 28.4111, 45.4266 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, 66, 179)` looks like.

```
.text, #text, p{  
    color:rgb(255, 66, 179)  
}
```

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, 66, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 66, 179) }
```

Border

The CSS property to change the border of an element to XYZ 51.3249, 28.4111, 45.4266 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, 66, 179) }
```


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

```
.border{ border-color:rgb(255, 66, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 66, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 66, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 66, 179);  
box-shadow:4px 4px 4px 4px rgb(255, 66,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3249, 28.4111, 45.4266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 66, 179) }
```

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

```
.background{ background-color: rgb(255, 66,  
179) }
```

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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