

Converting Colors

XYZ(50.9006, 28.1041, 43.6157)

Have a look what the booklet for
XYZ(50.9006, 28.1041, 43.6157)
contains.

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Color

**XYZ(50.9668, 28.1752,
43.8264)**

Conversions

Conversions Part 1

Format	Color
Hex	FF41B0
RGB	255, 65, 176
RGB Percent	100%, 25%, 69%
CMY	0.0000, 0.7450, 0.3098
CMYK	0.00, 0.75, 0.31, 0.00
HSL	325°, 100%, 63%
HSV	325°, 75%, 100%
XYZ	50.9668, 28.1752, 43.8264
YIQ	134.4640, 77.6090, 74.8010

Conversions

Conversions Part 2

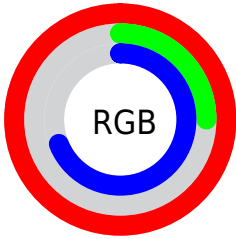
Format	Color
R_{YB}	255, 65, 176
Decimal	16728496
CIE _{Lab}	60.05, 78.42, -16.55
CIE _{LCh}	60, 80.153, 348.081
Yxy	28.1752, 0.4145, 0.2291
Android (android.graphics.Color)	4294918576 (0xFFFF41B0)
YUV	134.4640, 20.4772, 105.7101
Hunter-Lab	53.0803, 78.5021, -11.7973

Details

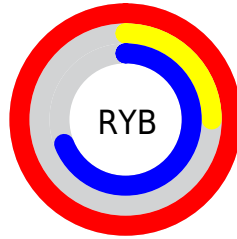
The XYZ color **50.9668, 28.1752, 43.8264** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **42.9758, 74.6582, 38.5359**, and the grayscale version is **22.7397, 23.9239, 26.0532**.

A 20% lighter version of the original color is **63.6557, 42.7867, 81.2476**, and **25.5675, 12.7675, 19.8557** is the 20% darker color. If you saturate the color by 10%, you get **48.8102, 25.4760, 38.1319**, and if you desaturate by 10%, it is **53.8668, 32.2300, 50.1735**.

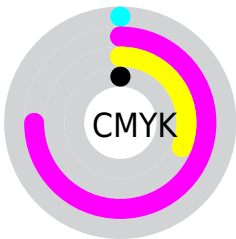
Distribution



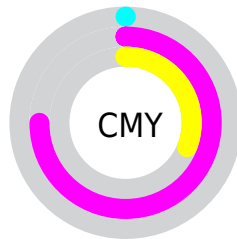
- Red (100%)
- Green (25%)
- Blue (69%)



- Red (100%)
- Yellow (25%)
- Blue (69%)



- Cyan (0%)
- Magenta (75%)
- Yellow (31%)
- Black (0%)





- Cyan (0%)
- Magenta (75%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.9668, 28.1752, 43.8264 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 50.9668, 28.1752, 43.8264 by changing the saturation by 10% instead.


 50.9668, 28.1752,
43.8264

 50.9668, 28.1752,
43.8264

380.8246,
293.3031, 378.0200


 36.4031, 18.4578,
30.1979


 90.7890, 56.7640,
82.2561


 24.9172, 11.2791,
19.7355


 116.7782, 76.4042,
107.8944


 16.1438, 6.2549,
12.0208


 147.3066,
100.1208, 138.3730

 9.7175, 3.0007,
6.6351

 182.7396,
128.2981, 174.1105

 5.2729, 1.1321,
3.1600

 223.4426,
161.3207, 215.5254

 2.4446, 0.0052,
1.1769

269.7808,

 0.8674, 0.0000,

199.5727, 263.0363

0.0000

322.1197,
243.4388, 317.0616

■ 0.0000, 0.0000,
0.0000

■ 50.9668, 28.1752,
43.8264

■ 50.9668, 28.1752,
43.8264

■ 48.8102, 25.4760,
38.1319

■ 53.8668, 32.2300,
50.1735

■ 47.2963, 23.9341,
33.0466


■ 57.5886, 37.7944,
57.2076


■ 46.6622, 23.4289,
30.4829

■ 62.2025, 45.0060,
64.9608

■ 67.7701, 53.9857,
73.4622

■ 74.3476, 64.8429,
82.7385

 81.9865, 77.6781,
92.8147

 90.7346, 92.5846,
103.7147

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.



44.2184, 28.1752, 85.7062



50.9668, 28.1752, 43.8264



50.1320, 28.1752, 16.3199

Triad

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



50.9668, 28.1752, 43.8264



21.1336, 28.1752, 2.2546



15.6825, 28.1752, 94.4723

Complementary

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



50.9668, 28.1752, 43.8264



42.9758, 74.6582, 38.5359

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.



12.1094, 28.1752, 51.6621



50.9668, 28.1752, 43.8264



14.6604, 28.1752, 6.3518

Square

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



50.9668, 28.1752, 43.8264



31.0453, 28.1752, 1.9909



11.7902, 28.1752, 20.4637



22.9239, 28.1752, 125.2187

Rectangle

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



50.9668, 28.1752, 43.8264



45.4104, 28.1752, 7.4165



11.7902, 28.1752, 20.4637



14.1017, 28.1752, 80.1073

Sweetspot

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



50.9675, 28.1767, 43.8269



76.1595, 67.8685, 85.1864



30.9268, 16.6654, 96.1945



15.8821, 13.8268, 17.6666



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.



50.9675, 28.1767, 43.8269



48.0569, 24.6531, 35.7734



44.7317, 25.6823, 10.9894



18.4545, 18.1651, 21.0104



24.4581, 12.2726, 16.3289



2.4359, 1.2167, 1.8767

Inverse Universe

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



50.9675, 28.1767, 43.8269



48.0569, 24.6531, 35.7734



53.0813, 78.7005, 91.7509



18.4545, 18.1651, 21.0104



24.4581, 12.2726, 16.3289



2.4359, 1.2167, 1.8767

Previews

White Background



This preview shows how the XYZ color 50.9668, 28.1752, 43.8264 looks on a white background.

Color Contrast Check

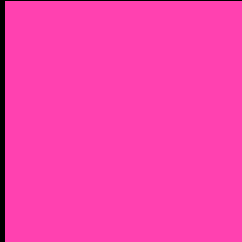
Large Text (above 18pt) WCAG AA ✓ Pass

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 50.9668, 28.1752, 43.8264 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 50.9668, 28.1752, 43.8264

Background



This preview shows how black text looks on a background with the XYZ color 50.9668, 28.1752, 43.8264.



This preview shows how white text looks on a background with the XYZ color 50.9668, 28.1752,

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

50.9668, 28.1752, 43.8264

Protanopia

30.6524, 28.4950, 79.4858

Deuteranopia

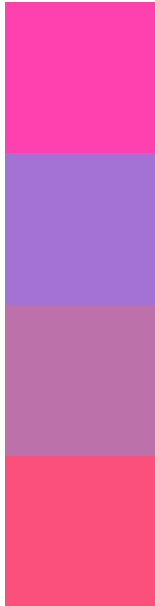
28.8022, 28.1925, 40.0000



Tritanopia

44.6597, 28.0926, 13.6583

Trichromacy



Original Color

50.9668, 28.1752, 43.8264

Protanomaly

32.8794, 24.5243, 64.6287

Deuteranomaly

33.8999, 25.4039, 41.1469

Tritanomaly

46.2904, 27.7018, 21.9760

Monochromacy



Original Color

50.9668, 28.1752, 43.8264

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

29.2536, 22.5722, 31.2488

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9668, 28.1752, 43.8264 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, 65, 176)` looks like.

```
.text, #text, p{  
    color:rgb(255, 65, 176)  
}
```

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, 65, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 65, 176) }
```

Border

The CSS property to change the border of an element to XYZ 50.9668, 28.1752, 43.8264 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, 65, 176) }
```


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

```
.border{ border-color:rgb(255, 65, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 65, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 65, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 65, 176);  
box-shadow:4px 4px 4px 4px rgb(255, 65,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9668, 28.1752, 43.8264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 65, 176) }
```

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

```
.background{ background-color: rgb(255, 65,  
176) }
```

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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