

Converting Colors

XYZ(52.3785, 29.4730, 42.3885)

Have a look what the booklet for
XYZ(52.3785, 29.4730, 42.3885)
contains.

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Color

**XYZ(51.0361, 28.7836,
42.4011)**

Conversions

Conversions Part 1

Format	Color
Hex	FF47AD
RGB	255, 71, 173
RGB Percent	100%, 28%, 68%
CMY	0.0000, 0.7215, 0.3216
CMYK	0.00, 0.72, 0.32, 0.00
HSL	327°, 100%, 64%
HSV	327°, 72%, 100%
XYZ	51.0361, 28.7836, 42.4011
YIQ	137.6440, 76.9220, 70.7300

Conversions

Conversions Part 2

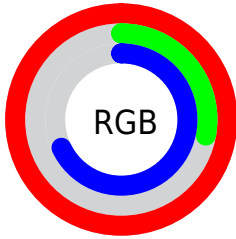
Format	Color
RYB	255, 71, 173
Decimal	16730029
CIELab	60.59, 76.27, -14.00
CIElCh	61, 77.540, 349.599
Yxy	28.7836, 0.4176, 0.2355
Android (android.graphics.Color)	4294920109 (0xFFFF47AD)
YUV	137.6440, 17.4305, 102.9212
Hunter-Lab	53.6503, 75.9140, -9.3030

Details

The XYZ color **51.0361, 28.7836, 42.4011** 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 **44.1100, 75.1603, 42.3243**, and the grayscale version is **23.9392, 25.1858, 27.4274**.

A 20% lighter version of the original color is **63.6311, 43.6365, 78.4677**, and **25.4435, 12.7179, 19.2029** is the 20% darker color. If you saturate the color by 10%, you get **48.6873, 25.7717, 36.4213**, and if you desaturate by 10%, it is **54.1598, 33.1954, 49.1013**.

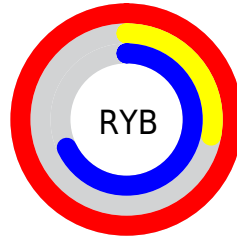
Distribution



Red (100%)

Green (28%)

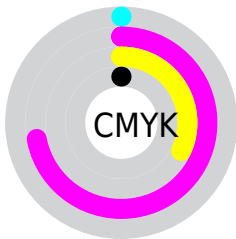
Blue (68%)



Red (100%)

Yellow (28%)

Blue (68%)

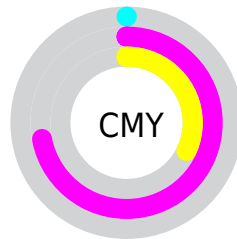


Cyan (0%)

Magenta (72%)

Yellow (32%)

Black (0%)



Cyan (0%)


Magenta (72%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.0361, 28.7836, 42.4011 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 51.0361, 28.7836, 42.4011 by changing the saturation by 10% instead.


 51.0361, 28.7836,
42.4011

 51.0361, 28.7836,
42.4011


381.0894,
296.1926, 371.9916


 36.4585, 18.9172,
29.0876


 90.8908, 57.7331,
80.0829


 24.9603, 11.6104,
18.9009


 116.8986, 77.5849,
105.2884

 16.1760, 6.4790,
11.4226


 147.4472,
101.5341, 135.2948

 9.7404, 3.1385,
6.2341

 182.9020,
129.9649, 170.5208

 5.2881, 1.2045,
2.9169

223.6282,
163.2617, 211.3850

 2.4538, 0.0653,
1.0523

269.9913,

 0.8720, 0.0000,

201.8090, 258.3058

0.0000

322.3565,
245.9912, 311.7018

■ 0.0000, 0.0000,
0.0000

■ 51.0361, 28.7836,
42.4011

■ 51.0361, 28.7836,
42.4011

■ 48.6873, 25.7717,
36.4213

■ 54.1598, 33.1954,
49.1013

■ 47.0172, 23.9715,
31.1176


■ 58.1340, 39.1551,
56.5573

■ 46.0740, 23.1936,
27.3854

■ 63.0275, 46.7965,
64.8030

■ 68.9009, 56.2376,
73.8689

■ 75.8095, 67.5857,
83.7834

 83.8042, 80.9397,
94.5733

 92.9326, 96.3914,
106.2637

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.



44.8206, 28.7836, 82.4683



51.0361, 28.7836, 42.4011



49.8331, 28.7836, 16.2293

Triad

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



51.0361, 28.7836, 42.4011



21.3876, 28.7836, 2.7959



16.6693, 28.7836, 94.9864

Complementary

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



51.0361, 28.7836, 42.4011



44.1100, 75.1603, 42.3243

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.



12.9195, 28.7836, 53.7471



51.0361, 28.7836, 42.4011



15.1469, 28.7836, 7.4485

Square

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



51.0361, 28.7836, 42.4011



30.9877, 28.7836, 2.3629



12.4403, 28.7836, 22.3929



24.0233, 28.7836, 123.0416

Rectangle

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



51.0361, 28.7836, 42.4011



45.0618, 28.7836, 7.6777



12.4403, 28.7836, 22.3929



15.0304, 28.7836, 81.3463

Sweetspot

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



51.0369, 28.7851, 42.4016



75.9230, 67.7739, 83.9412



33.0182, 18.2824, 96.3963



15.8262, 13.8044, 17.3724



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.



51.0369, 28.7851, 42.4016



47.7995, 24.7607, 33.7687



45.0660, 26.3968, 10.9597



18.4309, 18.1557, 20.8861



24.1511, 12.1497, 14.7118



2.4065, 1.2050, 1.7223

Inverse Universe

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



51.0369, 28.7851, 42.4016



47.7995, 24.7607, 33.7687



54.4969, 79.3150, 97.0207



18.4309, 18.1557, 20.8861



24.1511, 12.1497, 14.7118



2.4065, 1.2050, 1.7223

Previews

White Background



This preview shows how the XYZ color 51.0361, 28.7836, 42.4011 looks on a white background.

Color Contrast Check

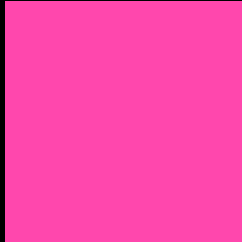
Large Text (above 18pt) WCAG AA ✓ Pass

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 51.0361, 28.7836, 42.4011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

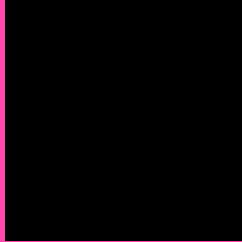
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 51.0361, 28.7836, 42.4011

Background



This preview shows how black text looks on a background with the XYZ color 51.0361, 28.7836, 42.4011.



This preview shows how white text looks on a background with the XYZ color 51.0361, 28.7836,

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

51.0361, 28.7836, 42.4011

Protanopia

30.8990, 29.1799, 74.5247

Deuteranopia

29.4207, 28.7627, 38.6514



Tritanopia

45.0517, 28.6571, 14.4661

Trichromacy



Original Color

51.0361, 28.7836, 42.4011



Protanomaly

33.5292, 25.4552, 60.9038



Deuteranomaly

34.4556, 26.2280, 39.8057



Tritanomaly

46.6557, 28.3305, 22.4114

Monochromacy



Original Color

51.0361, 28.7836, 42.4011



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

30.6593, 24.0928, 32.3126

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.0361, 28.7836, 42.4011 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, 71, 173)` looks like.

```
.text, #text, p{  
    color:rgb(255, 71, 173)  
}
```

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, 71, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 71, 173) }
```

Border

The CSS property to change the border of an element to XYZ 51.0361, 28.7836, 42.4011 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, 71, 173) }
```


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

```
.border{ border-color:rgb(255, 71, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 71, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 71, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 71, 173);  
box-shadow:4px 4px 4px 4px rgb(255, 71,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 51.0361, 28.7836, 42.4011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 71, 173) }
```

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

```
.background{ background-color: rgb(255, 71,  
173) }
```

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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