

Converting Colors

XYZ(100.1628, 55.3265,
43.1530)

Have a look what the booklet for
XYZ(100.1628, 55.3265, 43.1530)
contains.

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Color

**XYZ(51.4187, 30.1592,
40.6473)**

Conversions

Conversions Part 1

Format	Color
Hex	FF52A9
RGB	255, 82, 169
RGB Percent	100%, 32%, 66%
CMY	0.0000, 0.6784, 0.3373
CMYK	0.00, 0.68, 0.34, 0.00
HSL	330°, 100%, 66%
HSV	330°, 68%, 100%
XYZ	51.4187, 30.1592, 40.6473
YIQ	143.6450, 75.1810, 63.7330

Conversions

Conversions Part 2

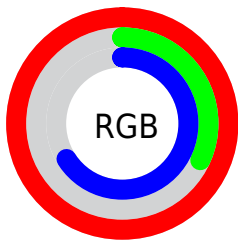
Format	Color
R _Y B	255, 82, 169
Decimal	16732841
CIE Lab	61.79, 72.10, -9.89
CIE LCh	62, 72.776, 352.193
Yxy	30.1592, 0.4207, 0.2468
Android (android.graphics.Color)	4294922921 (0xFFFF52A9)
YUV	143.6450, 12.5000, 97.6583
Hunter-Lab	54.9174, 71.0226, -5.4415

Details

The XYZ color **51.4187, 30.1592, 40.6473** is a light color, and the websafe version is hex **FF3399**. The color can be described as light muted rose. A complement of this color would be **46.3095, 76.1418, 49.3070**, and the grayscale version is **26.2986, 27.6682, 30.1306**.

A 20% lighter version of the original color is **64.3675, 45.9878, 76.0050**, and **25.4590, 12.7537, 17.9495** is the 20% darker color. If you saturate the color by 10%, you get **48.7072, 26.5494, 34.1536**, and if you desaturate by 10%, it is **54.9613, 35.2463, 47.9878**.

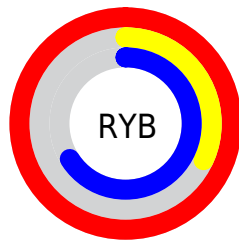
Distribution



Red (100%)

Green (32%)

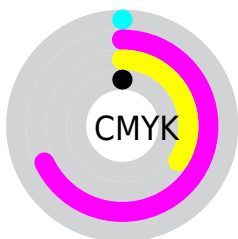
Blue (66%)



Red (100%)

Yellow (32%)

Blue (66%)

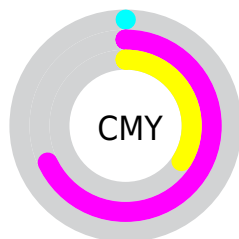


Cyan (0%)

Magenta (68%)

Yellow (34%)

Black (0%)



Cyan (0%)

Magenta (68%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.4187, 30.1592, 40.6473 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 51.4187, 30.1592, 40.6473 by changing the saturation by 10% instead.


 51.4187, 30.1592,
40.6473


 51.4187, 30.1592,
40.6473

382.5493,
302.6458, 364.4772


 36.7643, 19.9595,
27.7260


 91.4527, 59.9139,
77.3960


 25.1979, 12.3656,
17.8820


 117.5630, 80.2376,
102.0605

 16.3541, 6.9932,
10.6967


 148.2227,
104.7047, 131.4765

 9.8675, 3.4578,
5.7517

 183.7972,
133.6997, 166.0625

 5.3728, 1.3752,
2.6283

224.6517,
167.6069, 206.2370

 2.5046, 0.1983,
0.9070

271.1516,

 0.8976, 0.0000,

206.8107, 252.4186

0.0000

323.6624,
251.6956, 305.0258

■ 0.0000, 0.0000,
0.0000

■ 51.4187, 30.1592,
40.6473

■ 51.4187, 30.1592,
40.6473

■ 48.7072, 26.5494,
34.1536

■ 54.9613, 35.2463,
47.9878

■ 46.7373, 24.2434,
28.4602

■ 59.4065, 41.9490,
56.2138


■ 45.3945, 23.0175,
23.5121

■ 64.8205, 50.3949,
65.3625

■ 45.1514, 22.8246,
22.5273

■ 71.2624, 60.6974,
75.4678

■ 78.7863, 72.9601,
86.5616

 87.4424, 87.2793,
98.6742

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.



46.0856, 30.1592, 77.7136



51.4187, 30.1592, 40.6473



49.6532, 30.1592, 16.5023

Triad

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



51.4187, 30.1592, 40.6473



22.1773, 30.1592, 4.0457



18.6786, 30.1592, 95.7654

Complementary

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



51.4187, 30.1592, 40.6473



46.3095, 76.1418, 49.3070

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.



14.6237, 30.1592, 57.4512



51.4187, 30.1592, 40.6473



16.3028, 30.1592, 9.7612

Square

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



51.4187, 30.1592, 40.6473



31.2761, 30.1592, 3.2471



13.8648, 30.1592, 26.0995



26.2042, 30.1592, 119.3693

Rectangle

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



51.4187, 30.1592, 40.6473



44.8368, 30.1592, 8.4306



13.8648, 30.1592, 26.0995



16.9414, 30.1592, 83.4138

Sweetspot

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



51.4196, 30.1608, 40.6478



77.0661, 70.1390, 84.0788



36.7149, 21.3224, 96.7883



16.0332, 14.2577, 17.3203



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.



51.4196, 30.1608, 40.6478



48.0089, 25.6883, 32.2696



45.8936, 27.9504, 11.5484



18.3904, 18.1395, 20.6731



23.6681, 11.9565, 12.1683



2.3596, 1.1862, 1.4752

Inverse Universe

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



51.4196, 30.1608, 40.6478



48.0089, 25.6883, 32.2696



56.8298, 80.3500, 104.7064



18.3904, 18.1395, 20.6731



23.6681, 11.9565, 12.1683



2.3596, 1.1862, 1.4752

Previews

White Background



This preview shows how the XYZ color 51.4187, 30.1592, 40.6473 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 51.4187, 30.1592, 40.6473 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 51.4187, 30.1592, 40.6473

Background



This preview shows how black text looks on a background with the XYZ color 51.4187, 30.1592, 40.6473.



This preview shows how white text looks on a background with the XYZ color 51.4187, 30.1592,

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

51.4187, 30.1592, 40.6473

Protanopia

31.4972, 30.3387, 67.1467

Deuteranopia

30.7686, 30.1598, 37.4574



Tritanopia

46.2907, 30.0588, 16.4588

Trichromacy



Original Color

51.4187, 30.1592, 40.6473



Protanomaly

34.8402, 27.3111, 56.2586



Deuteranomaly

35.8185, 28.0327, 38.1733



Tritanomaly

47.8683, 29.9083, 23.6720

Monochromacy



Original Color

51.4187, 30.1592, 40.6473



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

32.3543, 26.1650, 33.4821

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4187, 30.1592, 40.6473 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, 82, 169)` looks like.

```
.text, #text, p{  
    color:rgb(255, 82, 169)  
}
```

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, 82, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 82, 169) }
```

Border

The CSS property to change the border of an element to XYZ 51.4187, 30.1592, 40.6473 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, 82, 169) }
```


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

```
.border{ border-color:rgb(255, 82, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 82, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 82, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 82, 169); box-shadow:4px 4px 4px 4px rgb(255, 82, 169) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4187, 30.1592, 40.6473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 82, 169) }
```

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

```
.background{ background-color: rgb(255, 82,  
169) }
```

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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