

Converting Colors

XYZ(51.6293, 30.0085, 42.4804)

Have a look what the booklet for
XYZ(51.6293, 30.0085, 42.4804)
contains.

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Color

**XYZ(51.6515, 30.0145,
42.6062)**

Conversions

Conversions Part 1

Format	Color
Hex	FF50AD
RGB	255, 80, 173
RGB Percent	100%, 31%, 68%
CMY	0.0000, 0.6862, 0.3216
CMYK	0.00, 0.69, 0.32, 0.00
HSL	328°, 100%, 66%
HSV	328°, 69%, 100%
XYZ	51.6515, 30.0145, 42.6062
YIQ	142.9270, 74.4470, 66.0230

Conversions

Conversions Part 2

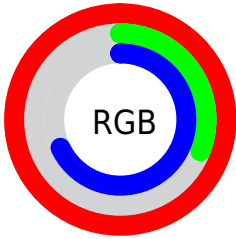
Format	Color
R_{YB}	255, 80, 173
Decimal	16732333
CIE _{Lab}	61.67, 73.25, -12.38
CIE _{LCh}	62, 74.291, 350.410
Yxy	30.0145, 0.4156, 0.2415
Android (android.graphics.Color)	4294922413 (0xFFFF50AD)
YUV	142.9270, 14.8260, 98.2880
Hunter-Lab	54.7855, 72.4143, -7.7595

Details

The XYZ color **51.6515, 30.0145, 42.6062** 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 **45.5917, 75.8350, 46.4219**, and the grayscale version is **26.0031, 27.3572, 29.7920**.

A 20% lighter version of the original color is **64.6217, 45.6176, 78.7979**, and **25.6993, 12.8498, 19.2149** is the 20% darker color. If you saturate the color by 10%, you get **49.0206, 26.5212, 36.2773**, and if you desaturate by 10%, it is **55.0954, 34.9682, 49.7168**.

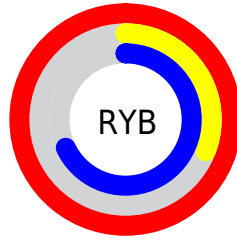
Distribution



Red (100%)

Green (31%)

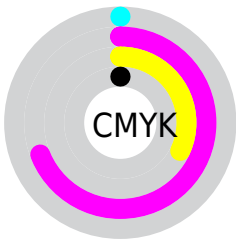
Blue (68%)



Red (100%)

Yellow (31%)

Blue (68%)

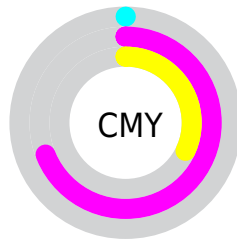


Cyan (0%)

Magenta (69%)

Yellow (32%)

Black (0%)



Cyan (0%)


Magenta (69%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.6515, 30.0145, 42.6062 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 51.6515, 30.0145, 42.6062 by changing the saturation by 10% instead.


 51.6515, 30.0145,
42.6062

 51.6515, 30.0145,
42.6062


383.4358,
301.9720, 372.8633

 36.9505, 19.8496,
29.2471


 91.7943, 59.6851,
80.3962


 25.3427, 12.2858,
19.0207


 117.9669, 79.9596,
105.6643

 16.4626, 6.9386,
11.5083


 148.6941,
104.3727, 135.7391

 9.9450, 3.4237,
6.2913

 184.3411,
133.3089, 171.0392

 5.4245, 1.3567,
2.9514

225.2735,
167.1526, 211.9831

 2.5357, 0.1845,
1.0699

271.8565,

 0.9133, 0.0000,

206.2880, 258.9894

0.0000

324.4555,
251.0997, 312.4766

■ 0.0000, 0.0000,
0.0000

■ 51.6515, 30.0145,
42.6062

■ 51.6515, 30.0145,
42.6062

■ 49.0206, 26.5212,
36.2773

■ 55.0954, 34.9682,
49.7168

■ 47.1126, 24.3125,
30.6862

■ 59.4242, 41.5221,
57.6452


■ 45.8044, 23.1467,
25.7780

■ 64.7042, 49.8047,
66.4261

■ 45.6490, 23.0236,
25.1475

■ 70.9944, 59.9300,
76.0911

■ 78.3486, 72.0023,
86.6697

 86.8170, 86.1180,
98.1897

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.



45.8094, 30.0145, 81.0456



51.6515, 30.0145, 42.6062



50.2869, 30.0145, 17.1455

Triad

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



51.6515, 30.0145, 42.6062



22.4040, 30.0145, 3.6150



18.0552, 30.0145, 95.0714

Complementary

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



51.6515, 30.0145, 42.6062



45.5917, 75.8350, 46.4219

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.



14.1732, 30.0145, 55.5555



51.6515, 30.0145, 42.6062



16.2522, 30.0145, 8.8280

Square

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



51.6515, 30.0145, 42.6062



31.8105, 30.0145, 3.0372



13.5998, 30.0145, 24.4304



25.4792, 30.0145, 121.0023

Rectangle

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



51.6515, 30.0145, 42.6062



45.5705, 30.0145, 8.5814



13.5998, 30.0145, 24.4304



16.3724, 30.0145, 82.1419

Sweetspot

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



51.6523, 30.0161, 42.6067



76.5015, 68.9513, 84.0710



35.7533, 20.6060, 96.7007



15.9319, 14.0304, 17.3627



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.



51.6523, 30.0161, 42.6067



48.3003, 25.6411, 34.3091



45.7829, 27.6683, 11.6986



18.4128, 18.1484, 20.7911



23.9288, 12.0608, 13.5413



2.3851, 1.1964, 1.6093

Inverse Universe

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



51.6523, 30.0161, 42.6067



48.3003, 25.6411, 34.3091



56.1941, 80.0759, 102.2536



18.4128, 18.1484, 20.7911



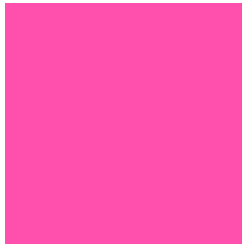
23.9288, 12.0608, 13.5413



2.3851, 1.1964, 1.6093

Previews

White Background



This preview shows how the XYZ color 51.6515, 30.0145, 42.6062 looks on a white background.

Color Contrast Check

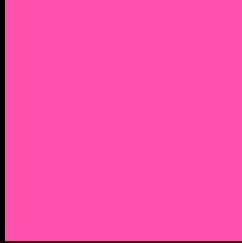
Large Text (above 18pt) WCAG AA ✓ Pass

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 51.6515, 30.0145, 42.6062 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 51.6515, 30.0145, 42.6062

Background



This preview shows how black text looks on a background with the XYZ color 51.6515, 30.0145, 42.6062.



This preview shows how white text looks on a background with the XYZ color 51.6515, 30.0145,

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

51.6515, 30.0145, 42.6062

Protanopia

31.6773, 30.3419, 71.2048

Deuteranopia

30.7309, 30.0992, 39.3120



Tritanopia

46.2907, 30.0588, 16.4588

Trichromacy



Original Color

51.6515, 30.0145, 42.6062



Protanomaly

34.7569, 27.2008, 59.2955



Deuteranomaly

35.8047, 27.8022, 40.0385



Tritanomaly

47.8484, 29.7626, 23.9917

Monochromacy



Original Color

51.6515, 30.0145, 42.6062



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

32.3164, 25.9564, 33.8787

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6515, 30.0145, 42.6062 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, 80, 173)` looks like.

```
.text, #text, p{  
    color:rgb(255, 80, 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, 80, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 80, 173) }
```

Border

The CSS property to change the border of an element to XYZ 51.6515, 30.0145, 42.6062 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, 80, 173) }
```


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

```
.border{ border-color:rgb(255, 80, 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, 80, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 80, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 80, 173);  
box-shadow:4px 4px 4px 4px rgb(255, 80,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6515, 30.0145, 42.6062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 80, 173) }
```

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

```
.background{ background-color: rgb(255, 80,  
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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