

Converting Colors

XYZ(68.3475, 53.1177, 79.8904)

Have a look what the booklet for
XYZ(68.3475, 53.1177, 79.8904)
contains.

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Color

**XYZ(68.3408, 53.0558,
80.0376)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA3E4
RGB	255, 163, 228
RGB Percent	100%, 64%, 89%
CMY	0.0000, 0.3608, 0.1059
CMYK	0.00, 0.36, 0.11, 0.00
HSL	318°, 100%, 82%
HSV	318°, 36%, 100%
XYZ	68.3408, 53.0558, 80.0376
YIQ	197.9180, 33.9670, 39.7190

Conversions

Conversions Part 2

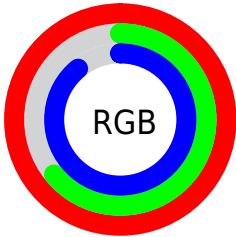
Format	Color
R _Y B	255, 163, 228
Decimal	16753636
CIE Lab	77.91, 43.16, -18.59
CIE LCh	78, 46.994, 336.700
Yxy	53.0558, 0.3393, 0.2634
Android (android.graphics.Color)	4294943716 (0xFFFFA3E4)
YUV	197.9180, 14.8304, 50.0609
Hunter-Lab	72.8394, 40.0067, -14.1616

Details

The XYZ color **68.3408, 53.0558, 80.0376** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **60.1603, 83.0251, 61.5728**, and the grayscale version is **53.5263, 56.3138, 61.3257**.

A 20% lighter version of the original color is **84.6215, 79.1430, 105.4238**, and **35.9410, 25.7862, 42.1127** is the 20% darker color. If you saturate the color by 10%, you get **63.2446, 44.4903, 73.3238**, and if you desaturate by 10%, it is **74.3971, 63.4692, 87.2947**.

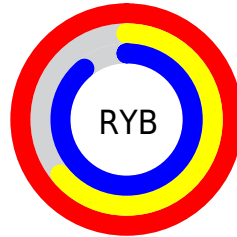
Distribution



Red (100%)

Green (64%)

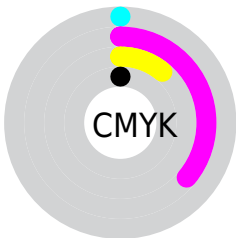
Blue (89%)



Red (100%)

Yellow (64%)

Blue (89%)

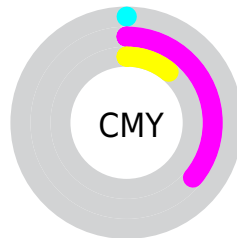


Cyan (0%)

Magenta (36%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (36%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.3408, 53.0558, 80.0376 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 68.3408, 53.0558, 80.0376 by changing the saturation by 10% instead.


 68.3408, 53.0558,
80.0376


 68.3408, 53.0558,
80.0376


444.0604,
398.4992, 514.7696

 50.4497, 37.8473,
59.2229


 115.8788, 94.6865,
135.2305

 35.9901, 25.8642,
42.3714


 146.2564,
121.8775, 170.4458

 24.5966, 16.7221,
29.0645


181.5269,
153.8314, 211.2984

 15.9039, 10.0365,
18.8836

222.0557,
190.9327, 258.2068

 9.5466, 5.4232,
11.4103

268.2081,
233.5657, 311.5896

 5.1593, 2.4976,
6.2259

320.3494,

 2.3768, 0.8755,

282.1149, 371.8653

2.9119

378.8450,
336.9645, 439.4525

■ 0.8335, 0.0000,
1.0498

■ 0.0000, 0.0000,
0.0000

■ 68.3408, 53.0558,
80.0376

■ 68.3408, 53.0558,
80.0376

■ 63.2446, 44.4903,
73.3238

■ 74.3971, 63.4692,
87.2947

■ 59.0493, 37.6554,
67.1288

■ 81.4610, 75.8253,
95.1116

■ 55.6942, 32.4310,
61.4302

■ 89.5813, 90.2203,
103.5079

■ 53.1096, 28.6784,
56.2018

95.0500, 100.0000,
108.9000

■ 51.2140, 26.2352,
51.4136

■ 49.9060, 24.9002,
47.0288

■ 49.4946, 24.5618,
45.3982

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61.6697, 53.0558, 108.2137



68.3408, 53.0558, 80.0376



69.9608, 53.0558, 52.0968

Triad

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



68.3408, 53.0558, 80.0376



48.4065, 53.0558, 20.8278



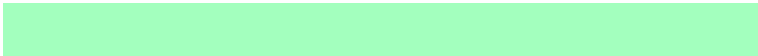
37.6157, 53.0558, 93.3462

Complementary

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



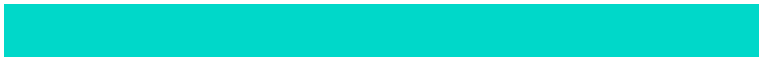
68.3408, 53.0558, 80.0376



60.1603, 83.0251, 61.5728

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.



34.9180, 53.0558, 63.8382



68.3408, 53.0558, 80.0376



40.6428, 53.0558, 26.0952

Square

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



68.3408, 53.0558, 80.0376



57.6994, 53.0558, 22.7905



35.9554, 53.0558, 40.0686



43.7946, 53.0558, 117.3786

Rectangle

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



68.3408, 53.0558, 80.0376



67.8030, 53.0558, 37.9867



35.9554, 53.0558, 40.0686



36.3079, 53.0558, 83.4458

Sweetspot

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



68.3420, 53.0580, 80.0387



85.4481, 82.8719, 99.3001



52.1521, 44.2444, 100.3990



18.0557, 17.3240, 21.0117



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.



68.3420, 53.0580, 80.0387



64.7139, 46.9359, 75.3330



62.8790, 50.8728, 51.2713



18.5521, 18.2042, 21.5246



25.9305, 12.8615, 24.0820



2.5726, 1.2714, 2.5965

Inverse Universe

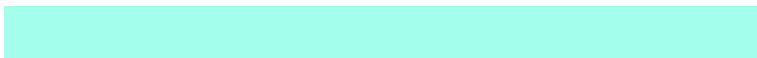
The Inverse Universe completely reimagines the original color for something new.



68.3420, 53.0580, 80.0387



64.7139, 46.9359, 75.3330



65.8707, 85.3092, 91.6433



18.5521, 18.2042, 21.5246



25.9305, 12.8615, 24.0820



2.5726, 1.2714, 2.5965

Previews

White Background



This preview shows how the XYZ color 68.3408, 53.0558, 80.0376 looks on a white background.

Color Contrast Check

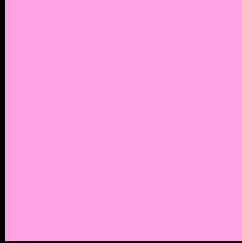
Large Text (above 18pt) WCAG AA × Fail

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 68.3408, 53.0558, 80.0376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

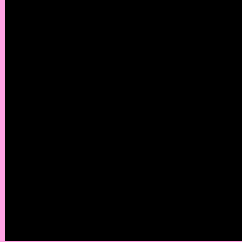
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.3408, 53.0558, 80.0376

Background



This preview shows how black text looks on a background with the XYZ color 68.3408, 53.0558, 80.0376.



This preview shows how white text looks on a background with the XYZ color 68.3408, 53.0558,

80.0376.

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

68.3408, 53.0558, 80.0376

Protanopia

54.0097, 53.5607, 95.4873

Deuteranopia

54.3285, 53.1645, 77.2104



Tritanopia

62.6390, 52.9105, 52.2587

Trichromacy



Original Color

68.3408, 53.0558, 80.0376



Protanomaly

57.9842, 52.6044, 89.5356



Deuteranomaly

58.6241, 52.5819, 78.2937



Tritanomaly

64.5728, 52.8708, 61.4453

Monochromacy



Original Color

68.3408, 53.0558, 80.0376



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

58.0710, 54.3614, 67.7537

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.3408, 53.0558, 80.0376 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, 163, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 163, 228)  
}
```

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, 163, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 163, 228) }
```

Border

The CSS property to change the border of an element to XYZ 68.3408, 53.0558, 80.0376 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, 163, 228) }
```


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

```
.border{ border-color:rgb(255, 163, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 163, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 163, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 163, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 163,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 68.3408, 53.0558, 80.0376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 163, 228) }
```

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

```
.background{ background-color: rgb(255,  
163, 228) }
```

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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