

Converting Colors

XYZ(53.3421, 33.7030, 42.2220)

Have a look what the booklet for
XYZ(53.3421, 33.7030, 42.2220)
contains.

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Color

**XYZ(53.3421, 33.7030,
42.2220)**

Conversions

Conversions Part 1

Format	Color
Hex	FF66AB
RGB	255, 102, 171
RGB Percent	100%, 40%, 67%
CMY	0.0000, 0.6000, 0.3294
CMYK	0.00, 0.60, 0.33, 0.00
HSL	333°, 100%, 70%
HSV	333°, 60%, 100%
XYZ	53.3421, 33.7030, 42.2220
YIQ	155.6130, 69.0390, 53.8950

Conversions

Conversions Part 2

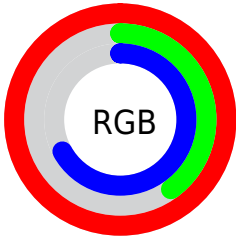
Format	Color
R_{YB}	255, 102, 171
Decimal	16737963
CIE _{Lab}	64.73, 64.47, -6.66
CIE _{LCh}	65, 64.813, 354.101
Yxy	33.7030, 0.4127, 0.2607
Android (android.graphics.Color)	4294928043 (0xFFFF66AB)
YUV	155.6130, 7.5858, 87.1624
Hunter-Lab	58.0543, 62.4164, -2.4827

Details

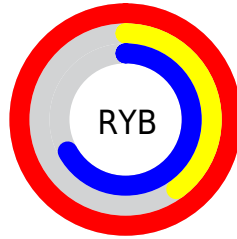
The XYZ color **53.3421, 33.7030, 42.2220** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **50.1042, 77.8908, 58.8523**, and the grayscale version is **31.3747, 33.0087, 35.9464**.

A 20% lighter version of the original color is **67.3656, 51.5473, 78.3506**, and **26.3367, 14.3188, 18.8285** is the 20% darker color. If you saturate the color by 10%, you get **49.9454, 28.9335, 34.8506**, and if you desaturate by 10%, it is **57.6523, 40.0732, 50.5960**.

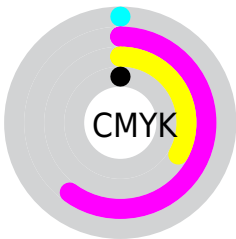
Distribution



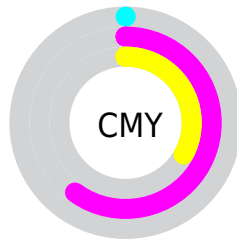
- Red (100%)
- Green (40%)
- Blue (67%)



- Red (100%)
- Yellow (40%)
- Blue (67%)



- Cyan (0%)
- Magenta (60%)
- Yellow (33%)
- Black (0%)



- Cyan (0%)
- Magenta (60%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.3421, 33.7030, 42.2220 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 53.3421, 33.7030, 42.2220 by changing the saturation by 10% instead.

53.3421, 33.7030,
42.2220

53.3421, 33.7030,
42.2220

389.8357,
318.8057, 371.2292

38.3045, 22.6655,
28.9483

94.2701, 65.4715,
79.8092

26.3974, 14.3467,
18.7965

120.8913, 86.9714,
104.9598

17.2554, 8.3622,
11.3480

152.1044,
112.7275, 134.9064

10.5132, 4.3276,
6.1843

188.2747,
143.1243, 170.0677

5.8054, 1.8584,
2.8869

229.7676,
178.5461, 210.8620

2.7666, 0.5232,
1.0372

276.9485,

1.0316, 0.0000,

219.3773, 257.7080

0.0000

330.1827,
266.0024, 311.0242

■ 0.0000, 0.0000,
0.0000

■ 53.3421, 33.7030,
42.2220

■ 53.3421, 33.7030,
42.2220

■ 49.9454, 28.9335,
34.8506

■ 57.6523, 40.0732,
50.5960

■ 47.3821, 25.6115,
28.4326

■ 62.9416, 48.1688,
60.0142

■ 45.5610, 23.5621,
22.9151

■ 69.2723, 58.1077,
70.5174

■ 44.3345, 22.4979,
18.2249

■ 76.7004, 69.9960,
82.1435

■ 44.3341, 22.4977,
18.2235

■ 85.2780, 83.9315,
94.9280

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.



48.8318, 33.7030, 75.7118



53.3421, 33.7030, 42.2220



51.3095, 33.7030, 19.4912

Triad

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



53.3421, 33.7030, 42.2220



25.2660, 33.7030, 6.9737



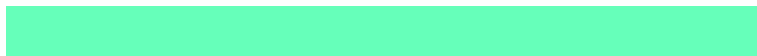
22.6422, 33.7030, 95.8589

Complementary

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



53.3421, 33.7030, 42.2220



50.1042, 77.8908, 58.8523

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.



18.3145, 33.7030, 61.8637



53.3421, 33.7030, 42.2220



19.6113, 33.7030, 14.0976

Square

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



53.3421, 33.7030, 42.2220



33.9089, 33.7030, 5.6763



17.3233, 33.7030, 31.6760



30.2289, 33.7030, 114.9583

Rectangle

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



53.3421, 33.7030, 42.2220



46.6844, 33.7030, 11.3328



17.3233, 33.7030, 31.6760



20.8219, 33.7030, 85.1843

Sweetspot

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



53.3430, 33.7047, 42.2226



78.3197, 72.6119, 84.6025



42.4746, 26.8659, 97.5547



16.2618, 14.7318, 17.3447



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.



53.3430, 33.7047, 42.2226



49.3678, 28.1571, 33.4901



48.9077, 32.7574, 16.3177



18.3499, 18.1233, 20.4597



23.2384, 11.7847, 9.9058



2.3168, 1.1691, 1.2497

Inverse Universe

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



53.3430, 33.7047, 42.2226



49.3678, 28.1571, 33.4901



57.6851, 78.3545, 106.6914



18.3499, 18.1233, 20.4597



23.2384, 11.7847, 9.9058



2.3168, 1.1691, 1.2497

Previews

White Background



This preview shows how the XYZ color 53.3421, 33.7030, 42.2220 looks on a white background.

Color Contrast Check

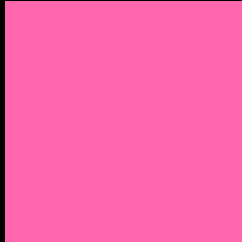
Large Text (above 18pt) WCAG AA × Fail

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 53.3421, 33.7030, 42.2220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

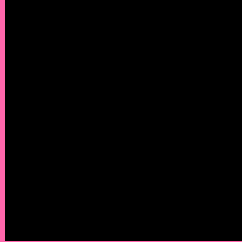
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 53.3421, 33.7030, 42.2220

Background



This preview shows how black text looks on a background with the XYZ color 53.3421, 33.7030, 42.2220.



This preview shows how white text looks on a background with the XYZ color 53.3421, 33.7030,

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

53.3421, 33.7030, 42.2220

Protanopia

34.5306, 34.1625, 63.1666

Deuteranopia

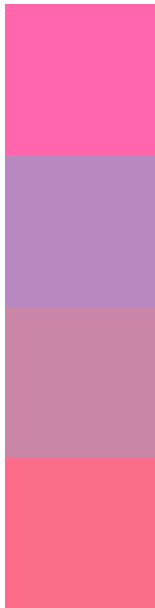
34.5797, 33.9729, 39.3852



Tritanopia

49.1400, 33.7000, 22.0039

Trichromacy



Original Color

53.3421, 33.7030, 42.2220

Protanomaly

38.1970, 31.6489, 54.5477

Deuteranomaly

39.4954, 32.2209, 40.2140

Tritanomaly

50.2737, 33.4968, 28.2419

Monochromacy



Original Color

53.3421, 33.7030, 42.2220

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

36.9754, 31.3880, 37.8279

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.3421, 33.7030, 42.2220 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, 102, 171)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 171)  
}
```

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, 102, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 171) }
```

Border

The CSS property to change the border of an element to XYZ 53.3421, 33.7030, 42.2220 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, 102, 171) }
```


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

```
.border{ border-color:rgb(255, 102, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 102, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 171);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 53.3421, 33.7030, 42.2220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 171) }
```

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

```
.background{ background-color: rgb(255,  
102, 171) }
```

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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