

Converting Colors

XYZ(52.3278, 33.2973, 36.8812)

Have a look what the booklet for
XYZ(52.3278, 33.2973, 36.8812)
contains.

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Color

**XYZ(52.3365, 33.3008,
36.9270)**

Conversions

Conversions Part 1

Format	Color
Hex	FF66A0
RGB	255, 102, 160
RGB Percent	100%, 40%, 63%
CMY	0.0000, 0.6000, 0.3725
CMYK	0.00, 0.60, 0.37, 0.00
HSL	337°, 100%, 70%
HSV	337°, 60%, 100%
XYZ	52.3365, 33.3008, 36.9270
YIQ	154.3590, 72.5700, 50.4740

Conversions

Conversions Part 2

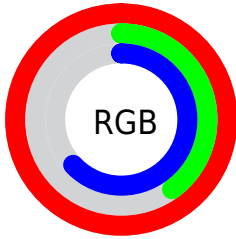
Format	Color
R _Y B	255, 102, 160
Decimal	16737952
CIE Lab	64.40, 63.25, -0.85
CIE LCh	64, 63.257, 359.233
Yxy	33.3008, 0.4270, 0.2717
Android (android.graphics.Color)	4294928032 (0xFFFF66A0)
YUV	154.3590, 2.7810, 88.2622
Hunter-Lab	57.7068, 60.9014, 2.4547

Details

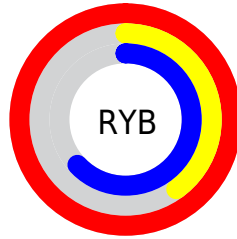
The XYZ color **52.3365, 33.3008, 36.9270** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **51.3194, 78.3768, 65.2516**, and the grayscale version is **30.8401, 32.4462, 35.3339**.

A 20% lighter version of the original color is **65.9039, 50.9626, 70.6532**, and **25.8014, 14.1593, 15.8411** is the 20% darker color. If you saturate the color by 10%, you get **48.9064, 28.5180, 29.3792**, and if you desaturate by 10%, it is **56.7153, 39.6986, 45.6620**.

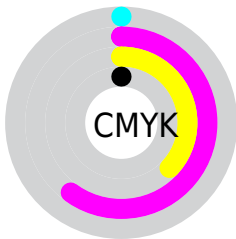
Distribution



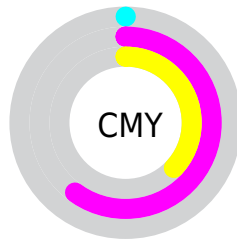
- Red (100%)
- Green (40%)
- Blue (63%)



- Red (100%)
- Yellow (40%)
- Blue (63%)



- Cyan (0%)
- Magenta (60%)
- Yellow (37%)
- Black (0%)




- Cyan (0%)
- Magenta (60%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.3365, 33.3008, 36.9270 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 52.3365, 33.3008, 36.9270 by changing the saturation by 10% instead.


 52.3365, 33.3008,
36.9270


 52.3365, 33.3008,
36.9270


386.0370,
317.0030, 348.1535

 37.4987, 22.3570,
24.8556


 92.7986, 64.8449,
71.6456


 25.7693, 14.1194,
15.7515

 119.1536, 86.2139,
95.1298

 16.7829, 8.2038,
9.1960


 150.0785,
111.8268, 123.2555

 10.1742, 4.2256,
4.7707

 185.9384,
142.0679, 156.4411

 5.5777, 1.8006,
2.0570

227.0989,
177.3217, 195.1052

 2.6283, 0.4875,
0.5900

273.9253,

 0.9604, 0.0000,

217.9726, 239.6662

0.0000

326.7828,
264.4049, 290.5428

■ 0.0000, 0.0000,
0.0000

■ 52.3365, 33.3008,
36.9270

■ 52.3365, 33.3008,
36.9270

■ 48.9064, 28.5180,
29.3792

■ 56.7153, 39.6986,
45.6620

■ 46.3424, 25.1957,
22.9578

■ 62.1104, 47.8365,
55.6369

■ 44.5510, 23.1582,
17.5970

■ 68.5859, 57.8333,
66.9025

■ 43.3821, 22.1170,
13.2099

■ 76.1997, 69.7958,
79.5064

■ 43.3817, 22.1167,
13.2085

■ 85.0056, 83.8227,
93.4932

95.0499, 100.0000,
108.9000

Harmonies

Analogous

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



49.0013, 33.3008, 68.0375



52.3365, 33.3008, 36.9270



49.3122, 33.3008, 17.0190

Triad

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



52.3365, 33.3008, 36.9270



23.9193, 33.3008, 7.9029



23.5877, 33.3008, 97.8171

Complementary

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



52.3365, 33.3008, 36.9270



51.3194, 78.3768, 65.2516

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.



18.8084, 33.3008, 66.3028



52.3365, 33.3008, 36.9270



18.9728, 33.3008, 16.3337

Square

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



52.3365, 33.3008, 36.9270



31.8838, 33.3008, 5.8287



17.2920, 33.3008, 35.5989



31.4201, 33.3008, 111.9796

Rectangle

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



52.3365, 33.3008, 36.9270



44.3708, 33.3008, 10.1613



17.2920, 33.3008, 35.5989



21.6296, 33.3008, 88.3407

Sweetspot

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



52.3374, 33.3026, 36.9276



77.8610, 72.4284, 82.1871



45.6592, 28.5077, 97.7036



16.1506, 14.6873, 16.7591



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.



52.3374, 33.3026, 36.9276



48.3261, 27.7404, 28.0045



50.3380, 35.6182, 16.7946



18.2942, 18.1010, 20.1665



22.7347, 11.5832, 7.2533



2.2647, 1.1483, 0.9754

Inverse Universe

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



52.3374, 33.3026, 36.9276



48.3261, 27.7404, 28.0045



53.8584, 70.7011, 105.4157



18.2942, 18.1010, 20.1665



22.7347, 11.5832, 7.2533



2.2647, 1.1483, 0.9754

Previews

White Background



This preview shows how the XYZ color 52.3365, 33.3008, 36.9270 looks on a white background.

Color Contrast Check

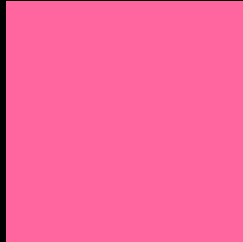
Large Text (above 18pt) WCAG AA × Fail

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 52.3365, 33.3008, 36.9270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

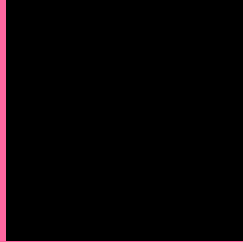
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.3365, 33.3008, 36.9270

Background



This preview shows how black text looks on a background with the XYZ color 52.3365, 33.3008, 36.9270.



This preview shows how white text looks on a background with the XYZ color 52.3365, 33.3008,

36.9270.

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

52.3365, 33.3008, 36.9270

Protanopia

33.5597, 33.5888, 55.1666

Deuteranopia

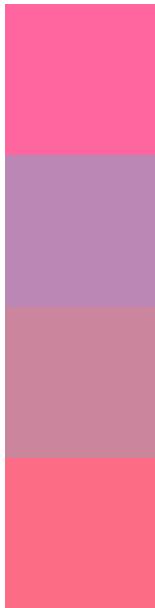
34.0500, 33.3174, 34.7733



Tritanopia

49.0993, 33.3723, 20.9932

Trichromacy



Original Color

52.3365, 33.3008, 36.9270

Protanomaly

37.6382, 31.5093, 47.8142

Deuteranomaly

39.0169, 31.8719, 35.5480

Tritanomaly

50.1042, 33.3012, 25.9773

Monochromacy



Original Color

52.3365, 33.3008, 36.9270

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

36.1506, 30.8046, 35.4930

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.3365, 33.3008, 36.9270 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, 160)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 160)  
}
```

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, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 160) }
```

Border

The CSS property to change the border of an element to XYZ 52.3365, 33.3008, 36.9270 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, 160) }
```


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

```
.border{ border-color:rgb(255, 102, 160) }
```

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, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 160);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 52.3365, 33.3008, 36.9270 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, 160) }
```

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

```
.background{ background-color: rgb(255,  
102, 160) }
```

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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