

Converting Colors

XYZ(52.0085, 33.1804, 35.1679)

Have a look what the booklet for
XYZ(52.0085, 33.1804, 35.1679)
contains.

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Color

**XYZ(51.9921, 33.1630,
35.1133)**

Conversions

Conversions Part 1

Format	Color
Hex	FF669C
RGB	255, 102, 156
RGB Percent	100%, 40%, 61%
CMY	0.0000, 0.6000, 0.3882
CMYK	0.00, 0.60, 0.39, 0.00
HSL	339°, 100%, 70%
HSV	339°, 60%, 100%
XYZ	51.9921, 33.1630, 35.1133
YIQ	153.9030, 73.8540, 49.2300

Conversions

Conversions Part 2

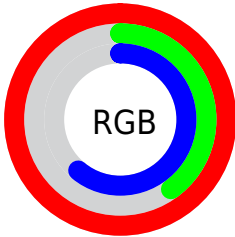
Format	Color
RYB	255, 102, 156
Decimal	16737948
CIELab	64.29, 62.83, 1.28
CIElCh	64, 62.842, 1.171
Yxy	33.1630, 0.4323, 0.2757
Android (android.graphics.Color)	4294928028 (0xFFFF669C)
YUV	153.9030, 1.0338, 88.6621
Hunter-Lab	57.5873, 60.3790, 4.1596

Details

The XYZ color **51.9921, 33.1630, 35.1133** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **51.7840, 78.5627, 67.6980**, and the grayscale version is **30.6469, 32.2429, 35.1125**.

A 20% lighter version of the original color is **65.2710, 50.7094, 67.3205**, and **25.5909, 14.0751, 14.7326** is the 20% darker color. If you saturate the color by 10%, you get **48.5564, 28.3780, 27.5363**, and if you desaturate by 10%, it is **56.3899, 39.5683, 43.9481**.

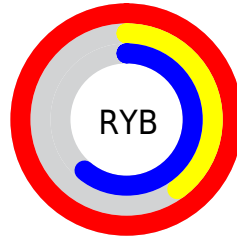
Distribution



Red (100%)

Green (40%)

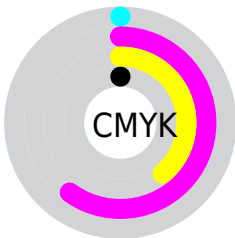
Blue (61%)



Red (100%)

Yellow (40%)

Blue (61%)

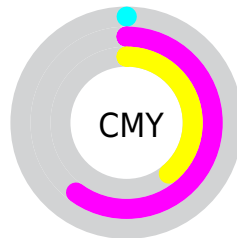


Cyan (0%)

Magenta (60%)

Yellow (39%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.9921, 33.1630, 35.1133 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 51.9921, 33.1630, 35.1133 by changing the saturation by 10% instead.


 51.9921, 33.1630,
35.1133


 51.9921, 33.1630,
35.1133


384.7306,
316.3836, 339.9876


 37.2230, 22.2513,
23.4659

 92.2939, 64.6299,
68.8148


 25.5547, 14.0417,
14.7294

 118.5573, 85.9540,
91.7060

 16.6217, 8.1497,
8.4852


 149.3829,
111.5176, 119.1822

 10.0588, 4.1909,
4.3147

 185.1360,
141.7053, 151.6620

 5.5005, 1.7809,
1.7996

226.1819,
176.9013, 189.5639

 2.5816, 0.4752,
0.4277

272.8861,

 0.9366, 0.0000,

217.4901, 233.3064

0.0000

325.6139,
263.8561, 283.3082

■ 0.0000, 0.0000,
0.0000

■ 51.9921, 33.1630,
35.1133

■ 51.9921, 33.1630,
35.1133

■ 48.5564, 28.3780,
27.5363

■ 56.3899, 39.5683,
43.9481

■ 45.9993, 25.0584,
21.1509

■ 61.8182, 47.7195,
54.0980

■ 44.2261, 23.0282,
15.8858

■ 68.3421, 57.7357,
65.6186

■ 43.0854, 21.9983,
11.6475

■ 76.0202, 69.7240,
78.5614

■ 43.0851, 21.9980,
11.6462

■ 84.9071, 83.7833,
92.9750

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.



49.0823, 33.1630, 65.3896



51.9921, 33.1630, 35.1133



48.6124, 33.1630, 16.1685

Triad

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



51.9921, 33.1630, 35.1133



23.4423, 33.1630, 8.2604



23.9447, 33.1630, 98.5917

Complementary

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



51.9921, 33.1630, 35.1133



51.7840, 78.5627, 67.6980

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.



18.9934, 33.1630, 68.0097



51.9921, 33.1630, 35.1133



18.7442, 33.1630, 17.2087

Square

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



51.9921, 33.1630, 35.1133



31.1709, 33.1630, 5.8823



17.2816, 33.1630, 37.1231



31.8726, 33.1630, 110.9615

Rectangle

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



51.9921, 33.1630, 35.1133



43.5583, 33.1630, 9.7511



17.2816, 33.1630, 37.1231



21.9339, 33.1630, 89.5603

Sweetspot

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



51.9930, 33.1648, 35.1139



77.6964, 72.3626, 81.3202



46.3297, 28.8533, 97.7351



16.1108, 14.6714, 16.5495



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.



51.9930, 33.1648, 35.1139



47.9765, 27.6006, 26.1638



50.6484, 36.2388, 16.8980



18.2741, 18.0930, 20.0606



22.5768, 11.5200, 6.4219



2.2478, 1.1415, 0.8863

Inverse Universe

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



51.9930, 33.1648, 35.1139



47.9765, 27.6006, 26.1638



53.1247, 69.2338, 105.1712



18.2741, 18.0930, 20.0606



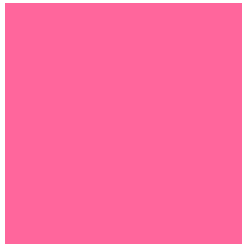
22.5768, 11.5200, 6.4219



2.2478, 1.1415, 0.8863

Previews

White Background



This preview shows how the XYZ color 51.9921, 33.1630, 35.1133 looks on a white background.

Color Contrast Check

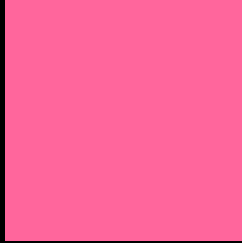
Large Text (above 18pt) WCAG AA × Fail

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 51.9921, 33.1630, 35.1133 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 51.9921, 33.1630, 35.1133

Background



This preview shows how black text looks on a background with the XYZ color 51.9921, 33.1630, 35.1133.



This preview shows how white text looks on a background with the XYZ color 51.9921, 33.1630,

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

51.9921, 33.1630, 35.1133

Protanopia

33.1929, 33.4631, 52.2865

Deuteranopia

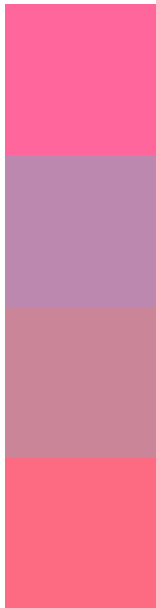
33.9470, 33.3018, 33.0725



Tritanopia

48.9317, 33.1317, 20.6457

Trichromacy



Original Color

51.9921, 33.1630, 35.1133

Protanomaly

37.3797, 31.4343, 45.1716

Deuteranomaly

38.6836, 31.7386, 33.7931

Tritanomaly

49.8624, 33.0367, 25.2214

Monochromacy



Original Color

51.9921, 33.1630, 35.1133

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

36.0662, 30.7709, 35.0488

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.9921, 33.1630, 35.1133 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, 156)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 156)  
}
```

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, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 156) }
```

Border

The CSS property to change the border of an element to XYZ 51.9921, 33.1630, 35.1133 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, 156) }
```


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

```
.border{ border-color:rgb(255, 102, 156) }
```

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, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 156);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 51.9921, 33.1630, 35.1133 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, 156) }
```

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

```
.background{ background-color: rgb(255,  
102, 156) }
```

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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