

Converting Colors

XYZ(51.6936, 34.2429, 33.0826)

Have a look what the booklet for
XYZ(51.6936, 34.2429, 33.0826)
contains.

XYZ(51.6699, 34.2689, 33.1694)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(51.6699, 34.2689,
33.1694)**

Conversions

Conversions Part 1

Format	Color
Hex	FD6E97
RGB	253, 110, 151
RGB Percent	99%, 43%, 59%
CMY	0.0078, 0.5686, 0.4078
CMYK	0.00, 0.57, 0.40, 0.01
HSL	343°, 97%, 71%
HSV	343°, 57%, 99%
XYZ	51.6699, 34.2689, 33.1694
YIQ	157.4310, 72.0670, 43.0670

Conversions

Conversions Part 2

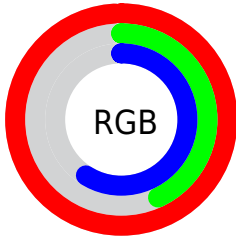
Format	Color
R _Y B	253, 110, 151
Decimal	16608919
CIE Lab	65.18, 58.18, 5.39
CIE LCh	65, 58.426, 5.289
Yxy	34.2689, 0.4338, 0.2877
Android (android.graphics.Color)	4294798999 (0xFFFD6E97)
YUV	157.4310, -3.1705, 83.8140
Hunter-Lab	58.5396, 55.1083, 7.3832

Details

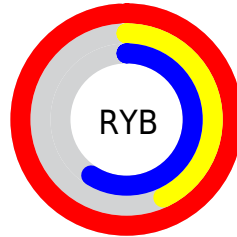
The XYZ color **51.6699, 34.2689, 33.1694** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **53.4414, 78.3199, 74.5930**, and the grayscale version is **32.2344, 33.9131, 36.9313**.

A 20% lighter version of the original color is **65.8957, 52.9402, 64.5030**, and **25.3116, 14.6728, 13.5547** is the 20% darker color. If you saturate the color by 10%, you get **47.9640, 29.0260, 25.2481**, and if you desaturate by 10%, it is **56.3810, 41.1631, 42.5333**.

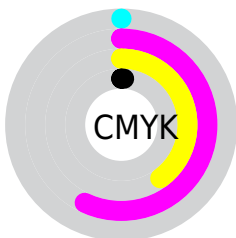
Distribution



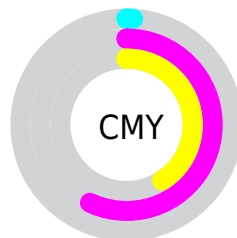
- Red (99%)
- Green (43%)
- Blue (59%)



- Red (99%)
- Yellow (43%)
- Blue (59%)



- Cyan (0%)
- Magenta (57%)
- Yellow (40%)
- Black (1%)





- Cyan (1%)
- Magenta (57%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.6699, 34.2689, 33.1694 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 51.6699, 34.2689, 33.1694 by changing the saturation by 10% instead.


 51.6699, 34.2689,
33.1694


 51.6699, 34.2689,
33.1694

383.5058,
321.3294, 331.0678


 36.9652, 23.1003,
21.9841


 91.8213, 66.3516,
65.7590

 25.3541, 14.6675,
13.6470


 117.9988, 88.0345,
88.0003

 16.4712, 8.5864,
7.7396


 148.7313,
113.9908, 114.7640

 9.9512, 4.4724,
3.8434

184.3841,
144.6051, 146.4687

 5.4286, 1.9412,
1.5398

225.3226,
180.2618, 183.5329

 2.5382, 0.5730,
0.2473

271.9122,

 0.9146, 0.0000,

221.3451, 226.3751

0.0000

324.5181,
268.2395, 275.4139

■ 0.0000, 0.0000,
0.0000

■ 51.6699, 34.2689,
33.1694

■ 51.6699, 34.2689,
33.1694

■ 47.9640, 29.0260,
25.2481

■ 56.3810, 41.1631,
42.5333

■ 45.1822, 25.2884,
18.6913

■ 62.1644, 49.8276,
53.4083

■ 43.2343, 22.8934,
13.4151

■ 69.0842, 60.3765,
65.8602

■ 42.0081, 21.6356,
9.3234

■ 77.1989, 72.9127,
79.9505

■ 41.6951, 21.3575,
8.1466

■ 86.5625, 87.5317,
95.7371

94.3180, 99.6226,
108.8657

Harmonies

Analogous

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



49.7561, 34.2689, 60.4557



51.6699, 34.2689, 33.1694



47.7878, 34.2689, 16.3045

Triad

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



51.6699, 34.2689, 33.1694



24.0256, 34.2689, 10.6908



26.2155, 34.2689, 97.8967

Complementary

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



51.6699, 34.2689, 33.1694



53.4414, 78.3199, 74.5930

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.



20.9859, 34.2689, 71.3422



51.6699, 34.2689, 33.1694



19.8839, 34.2689, 20.9887

Square

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



51.6699, 34.2689, 33.1694



31.0906, 34.2689, 7.4441



18.8761, 34.2689, 41.7881



34.0988, 34.2689, 105.8655

Rectangle

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



51.6699, 34.2689, 33.1694



42.7744, 34.2689, 10.5739



18.8761, 34.2689, 41.7881



24.1357, 34.2689, 90.4160

Sweetspot

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



51.6708, 34.2707, 33.1700



78.1611, 73.5582, 80.6547



49.9140, 31.9622, 96.4671



16.3555, 15.1641, 16.6207



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.



51.6708, 34.2707, 33.1700



48.3450, 28.8815, 24.6096



52.4987, 40.3602, 19.7775



18.2235, 18.0727, 19.7939



22.2342, 11.3830, 4.6180



2.2096, 1.1262, 0.6851

Inverse Universe

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



51.6708, 34.2707, 33.1700



48.3450, 28.8815, 24.6096



50.9248, 63.9349, 102.5852



18.2235, 18.0727, 19.7939



22.2342, 11.3830, 4.6180



2.2096, 1.1262, 0.6851

Previews

White Background



This preview shows how the XYZ color 51.6699, 34.2689, 33.1694 looks on a white background.

Color Contrast Check

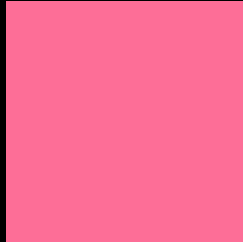
Large Text (above 18pt) WCAG AA × Fail

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 51.6699, 34.2689, 33.1694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

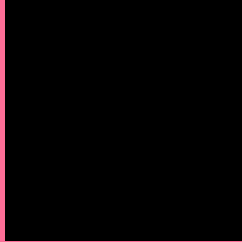
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.6699, 34.2689, 33.1694

Background



This preview shows how black text looks on a background with the XYZ color 51.6699, 34.2689, 33.1694.



This preview shows how white text looks on a background with the XYZ color 51.6699, 34.2689,

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

51.6699, 34.2689, 33.1694

Protanopia

33.7112, 34.3372, 47.4988

Deuteranopia

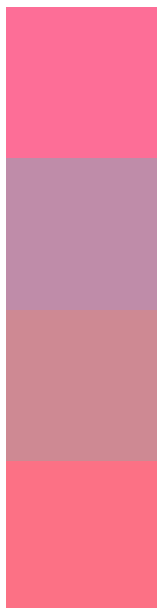
35.0157, 34.3798, 31.1760



Tritanopia

49.4895, 34.2008, 22.7319

Trichromacy



Original Color

51.6699, 34.2689, 33.1694

Protanomaly

38.0254, 32.6971, 41.8431

Deuteranomaly

39.6657, 33.1197, 31.9059

Tritanomaly

50.2836, 34.1992, 26.1412

Monochromacy



Original Color

51.6699, 34.2689, 33.1694

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

37.0327, 32.3292, 35.2987

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6699, 34.2689, 33.1694 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(253, 110, 151)` looks like.

```
.text, #text, p{  
    color:rgb(253, 110, 151)  
}
```

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(253, 110, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 110, 151) }
```

Border

The CSS property to change the border of an element to XYZ 51.6699, 34.2689, 33.1694 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(253, 110, 151) }
```


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

```
.border{ border-color:rgb(253, 110, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 110, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 110, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 110, 151);  
box-shadow:4px 4px 4px 4px rgb(253, 110,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6699, 34.2689, 33.1694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 110, 151) }
```

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

```
.background{ background-color: rgb(253,  
110, 151) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor