

Converting Colors

XYZ(49.9504, 33.1366, 33.2842)

Have a look what the booklet for
XYZ(49.9504, 33.1366, 33.2842)
contains.

XYZ(50.0970, 33.1319, 33.4604)	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(50.0970, 33.1319,
33.4604)**

Conversions

Conversions Part 1

Format	Color
Hex	F96C98
RGB	249, 108, 152
RGB Percent	98%, 42%, 60%
CMY	0.0235, 0.5764, 0.4039
CMYK	0.00, 0.57, 0.39, 0.02
HSL	341°, 92%, 70%
HSV	341°, 57%, 98%
XYZ	50.0970, 33.1319, 33.4604
YIQ	155.1750, 69.9120, 43.5760

Conversions

Conversions Part 2

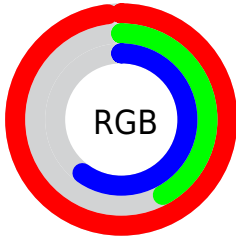
Format	Color
R_{YB}	249, 108, 152
Decimal	16346264
CIE _{Lab}	64.27, 57.91, 3.43
CIE _{LCh}	64, 58.009, 3.387
Yxy	33.1319, 0.4293, 0.2839
Android (android.graphics.Color)	4294536344 (0xFFFF96C98)
YUV	155.1750, -1.5653, 82.2845
Hunter-Lab	57.5603, 54.6250, 5.8263

Details

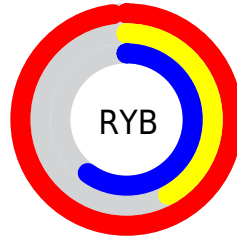
The XYZ color **50.0970, 33.1319, 33.4604** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **51.0814, 75.3482, 69.6139**, and the grayscale version is **31.2195, 32.8453, 35.7686**.

A 20% lighter version of the original color is **65.6560, 52.2672, 65.0206**, and **24.2718, 13.9986, 13.7347** is the 20% darker color. If you saturate the color by 10%, you get **46.5325, 28.0884, 25.8427**, and if you desaturate by 10%, it is **54.6157, 39.7592, 42.3965**.

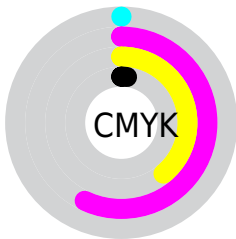
Distribution



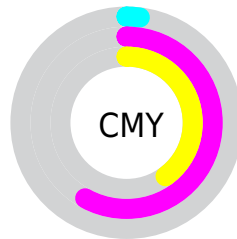
- Red (98%)
- Green (42%)
- Blue (60%)



- Red (98%)
- Yellow (42%)
- Blue (60%)



- Cyan (0%)
- Magenta (57%)
- Yellow (39%)
- Black (2%)





- Cyan (2%)
- Magenta (58%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.0970, 33.1319, 33.4604 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 50.0970, 33.1319, 33.4604 by changing the saturation by 10% instead.


 50.0970, 33.1319,
33.4604


 50.0970, 33.1319,
33.4604

377.4909,
316.2437, 332.4147


 35.7086, 22.2275,
22.2054


 89.5095, 64.5814,
66.2179


 24.3783, 14.0242,
13.8081


 115.2644, 85.8953,
88.5575

 15.7407, 8.1375,
7.8501


 145.5388,
111.4478, 115.4291

 9.4306, 4.1830,
3.9128

 180.6980,
141.6234, 147.2511

 5.0824, 1.7765,
1.5776

221.1075,
176.8063, 184.4421

 2.3310, 0.4724,
0.2748

267.1325,

 0.8104, 0.0000,

217.3811, 227.4207

0.0000

319.1386,
263.7321, 276.6053

■ 0.0000, 0.0000,
0.0000

■ 50.0970, 33.1319,
33.4604

■ 50.0970, 33.1319,
33.4604

■ 46.5325, 28.0884,
25.8427

■ 54.6157, 39.7592,
42.3965

■ 43.8450, 24.4887,
19.4743

■ 60.1519, 48.0844,
52.7114

■ 41.9492, 22.1766,
14.2811

■ 66.7667, 58.2171,
64.4636

■ 40.7380, 20.9542,
10.1781

■ 74.5151, 70.2558,
77.7075

■ 40.4311, 20.6854,
9.0119

■ 83.4486, 84.2923,
92.4945

92.8423, 98.8659,
108.6159

92.8769, 98.8797,
108.7983

Harmonies

Analogous

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



47.8813, 33.1319, 60.4502



50.0970, 33.1319, 33.4604



46.6544, 33.1319, 16.4269

Triad

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



50.0970, 33.1319, 33.4604



23.5538, 33.1319, 9.9078



24.9150, 33.1319, 93.7304

Complementary

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



50.0970, 33.1319, 33.4604



51.0814, 75.3482, 69.6139

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.



20.0304, 33.1319, 67.2394



50.0970, 33.1319, 33.4604



19.3461, 33.1319, 19.3309

Square

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



50.0970, 33.1319, 33.4604



30.5642, 33.1319, 7.0961



18.1777, 33.1319, 38.8224



32.4361, 33.1319, 102.9505

Rectangle

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



50.0970, 33.1319, 33.4604



41.9138, 33.1319, 10.5395



18.1777, 33.1319, 38.8224



22.9572, 33.1319, 86.1131

Sweetspot

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



50.0979, 33.1336, 33.4610



78.3107, 73.6180, 81.4424



47.4609, 30.4537, 92.9992



16.3905, 15.1781, 16.8052



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.



50.0979, 33.1336, 33.4610



48.6502, 29.0036, 26.2166



50.2794, 38.2333, 18.9194



17.4677, 17.3144, 19.0524



21.6982, 11.0950, 5.1191



2.0552, 1.0458, 0.7139

Inverse Universe

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



50.0979, 33.1336, 33.4610



48.6502, 29.0036, 26.2166



49.7124, 62.8846, 99.1403



17.4677, 17.3144, 19.0524



21.6982, 11.0950, 5.1191



2.0552, 1.0458, 0.7139

Previews

White Background



This preview shows how the XYZ color 50.0970, 33.1319, 33.4604 looks on a white background.

Color Contrast Check

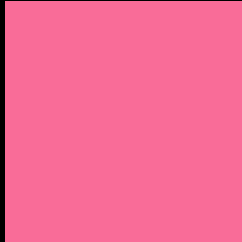
Large Text (above 18pt) WCAG AA × Fail

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 50.0970, 33.1319, 33.4604 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 50.0970, 33.1319, 33.4604

Background



This preview shows how black text looks on a background with the XYZ color 50.0970, 33.1319, 33.4604.



This preview shows how white text looks on a background with the XYZ color 50.0970, 33.1319,

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

50.0970, 33.1319, 33.4604

Protanopia

32.9085, 33.4134, 47.8950

Deuteranopia

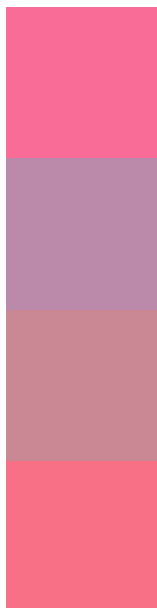
33.8566, 33.2915, 31.4295



Tritanopia

47.8879, 33.2139, 22.2993

Trichromacy



Original Color

50.0970, 33.1319, 33.4604

Protanomaly

36.8377, 31.6440, 42.1966

Deuteranomaly

38.3664, 32.0226, 32.1758

Tritanomaly

48.7392, 33.2383, 26.0371

Monochromacy



Original Color

50.0970, 33.1319, 33.4604

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

35.9075, 31.3289, 34.7264

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0970, 33.1319, 33.4604 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(249, 108, 152)` looks like.

```
.text, #text, p{  
    color:rgb(249, 108, 152)  
}
```

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(249, 108, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 108, 152) }
```

Border

The CSS property to change the border of an element to XYZ 50.0970, 33.1319, 33.4604 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(249, 108, 152) }
```


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

```
.border{ border-color:rgb(249, 108, 152) }
```

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

Here you see how a box with a 4 pixel rgb(249, 108, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 108, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 108, 152);  
box-shadow:4px 4px 4px 4px rgb(249, 108,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0970, 33.1319, 33.4604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 108, 152) }
```

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

```
.background{ background-color: rgb(249,  
108, 152) }
```

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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