

Converting Colors

XYZ(52.8127, 33.9248, 38.0976)

Have a look what the booklet for
XYZ(52.8127, 33.9248, 38.0976)
contains.

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Color

**XYZ(52.8132, 33.9718,
37.9561)**

Conversions

Conversions Part 1

Format	Color
Hex	FF69A2
RGB	255, 105, 162
RGB Percent	100%, 41%, 64%
CMY	0.0000, 0.5882, 0.3647
CMYK	0.00, 0.59, 0.36, 0.00
HSL	337°, 100%, 71%
HSV	337°, 59%, 100%
XYZ	52.8132, 33.9718, 37.9561
YIQ	156.3480, 71.1030, 49.5270

Conversions

Conversions Part 2

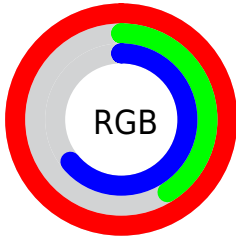
Format	Color
R _Y B	255, 105, 162
Decimal	16738722
CIE Lab	64.94, 62.18, -1.21
CIE LCh	65, 62.191, 358.890
Yxy	33.9718, 0.4234, 0.2723
Android (android.graphics.Color)	4294928802 (0xFFFF69A2)
YUV	156.3480, 2.7864, 86.5178
Hunter-Lab	58.2853, 59.7422, 2.1894

Details

The XYZ color **52.8132, 33.9718, 37.9561** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **51.7807, 78.6014, 65.8733**, and the grayscale version is **31.7224, 33.3744, 36.3447**.

A 20% lighter version of the original color is **66.6847, 52.1104, 72.1893**, and **26.0558, 14.4938, 16.4632** is the 20% darker color. If you saturate the color by 10%, you get **49.2759, 29.0069, 30.2734**, and if you desaturate by 10%, it is **57.3074, 40.5677, 46.8302**.

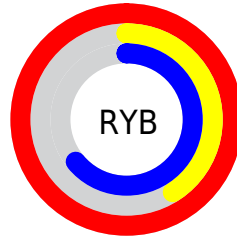
Distribution



Red (100%)

Green (41%)

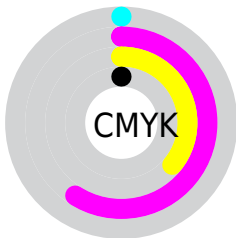
Blue (64%)



Red (100%)

Yellow (41%)

Blue (64%)

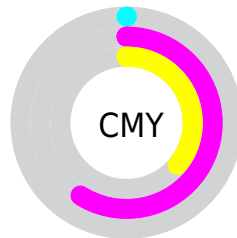


Cyan (0%)

Magenta (59%)

Yellow (36%)

Black (0%)



Cyan (0%)


Magenta (59%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.8132, 33.9718, 37.9561 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 52.8132, 33.9718, 37.9561 by changing the saturation by 10% instead.


 52.8132, 33.9718,
37.9561


 52.8132, 33.9718,
37.9561

387.8406,
320.0063, 352.7242


 37.8805, 22.8719,
25.6471


 93.4966, 65.8898,
73.2435


 26.0668, 14.4990,
16.3364


 119.9780, 87.4768,
97.0590

 17.0066, 8.4685,
9.6056


 151.0398,
113.3282, 125.5470

 10.3345, 4.3962,
5.0361

 187.0472,
143.8285, 159.1261

 5.6853, 1.8976,
2.2093

228.3656,
179.3620, 198.2148

 2.6935, 0.5469,
0.6797

275.3605,

 0.9938, 0.0000,

220.3133, 243.2317

0.0000

328.3970,
267.0665, 294.5953

■ 0.0000, 0.0000,
0.0000

■ 52.8132, 33.9718,
37.9561

■ 52.8132, 33.9718,
37.9561

■ 49.2759, 29.0069,
30.2734

■ 57.3074, 40.5677,
46.8302

■ 46.6143, 25.5210,
23.7220

■ 62.8251, 48.9179,
56.9477

■ 44.7371, 23.3427,
18.2374

■ 69.4298, 59.1399,
68.3589

■ 43.5132, 22.2215,
13.7395

■ 77.1788, 71.3394,
81.1108

■ 43.3926, 22.1211,
13.2657

■ 86.1253, 85.6141,
95.2478

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.



49.4443, 33.9718, 68.8764



52.8132, 33.9718, 37.9561



49.8902, 33.9718, 17.8724

Triad

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



52.8132, 33.9718, 37.9561



24.6446, 33.9718, 8.3882



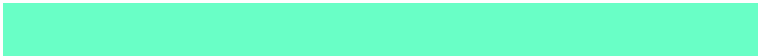
24.1638, 33.9718, 97.5395

Complementary

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



52.8132, 33.9718, 37.9561



51.7807, 78.6014, 65.8733

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.



19.4074, 33.9718, 66.3946



52.8132, 33.9718, 37.9561



19.6467, 33.9718, 16.8698

Square

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



52.8132, 33.9718, 37.9561



32.6249, 33.9718, 6.3042



17.9190, 33.9718, 36.0395



31.9557, 33.9718, 111.7354

Rectangle

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



52.8132, 33.9718, 37.9561



45.0255, 33.9718, 10.8401



17.9190, 33.9718, 36.0395



22.2143, 33.9718, 88.1607

Sweetspot

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



52.8141, 33.9736, 37.9567



77.8668, 72.4307, 82.2176



46.2604, 29.2633, 97.8179



16.1520, 14.6878, 16.7665



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.



52.8141, 33.9736, 37.9567



48.6240, 28.1263, 28.7510



50.8123, 36.3241, 17.7001



18.2949, 18.1013, 20.1702



22.7404, 11.5855, 7.2836



2.2653, 1.1485, 0.9787

Inverse Universe

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



52.8141, 33.9736, 37.9567



48.6240, 28.1263, 28.7510



54.3062, 71.0827, 105.4658



18.2949, 18.1013, 20.1702



22.7404, 11.5855, 7.2836



2.2653, 1.1485, 0.9787

Previews

White Background



This preview shows how the XYZ color 52.8132, 33.9718, 37.9561 looks on a white background.

Color Contrast Check

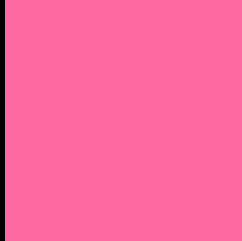
Large Text (above 18pt) WCAG AA × Fail

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 52.8132, 33.9718, 37.9561 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 52.8132, 33.9718, 37.9561

Background



This preview shows how black text looks on a background with the XYZ color 52.8132, 33.9718, 37.9561.



This preview shows how white text looks on a background with the XYZ color 52.8132, 33.9718,

37.9561.

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

52.8132, 33.9718, 37.9561

Protanopia

34.0205, 34.0615, 55.8204

Deuteranopia

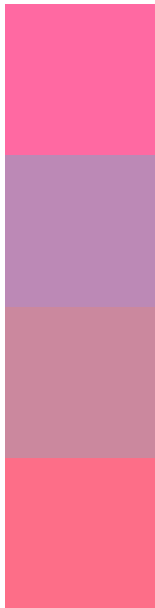
34.7632, 34.1477, 35.7693



Tritanopia

49.5012, 33.8862, 22.0208

Trichromacy



Original Color

52.8132, 33.9718, 37.9561

Protanomaly

38.1282, 31.9601, 48.4153

Deuteranomaly

39.6043, 32.7735, 36.5863

Tritanomaly

50.5279, 33.8121, 27.1558

Monochromacy



Original Color

52.8132, 33.9718, 37.9561

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

36.8554, 31.5664, 36.4982

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.8132, 33.9718, 37.9561 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, 105, 162)` looks like.

```
.text, #text, p{  
    color:rgb(255, 105, 162)  
}
```

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, 105, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 105, 162) }
```

Border

The CSS property to change the border of an element to XYZ 52.8132, 33.9718, 37.9561 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, 105, 162) }
```


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

```
.border{ border-color:rgb(255, 105, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 105, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 105, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 105, 162);  
box-shadow:4px 4px 4px 4px rgb(255, 105,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 52.8132, 33.9718, 37.9561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 105, 162) }
```

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

```
.background{ background-color: rgb(255,  
105, 162) }
```

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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