

Converting Colors

XYZ(50.6433, 33.8835, 24.1257)

Have a look what the booklet for
XYZ(50.6433, 33.8835, 24.1257)
contains.

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Color

**XYZ(50.7122, 33.9704,
24.3062)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6E80
RGB	255, 110, 128
RGB Percent	100%, 43%, 50%
CMY	0.0000, 0.5686, 0.4980
CMYK	0.00, 0.57, 0.50, 0.00
HSL	353°, 100%, 72%
HSV	353°, 57%, 100%
XYZ	50.7122, 33.9704, 24.3062
YIQ	155.4070, 80.6420, 36.3380

Conversions

Conversions Part 2

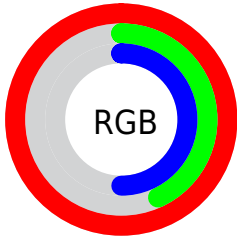
Format	Color
R_{YB}	255, 110, 128
Decimal	16739968
CIE _{Lab}	64.94, 56.66, 18.23
CIE _{LCh}	65, 59.519, 17.831
Yxy	33.9704, 0.4653, 0.3117
Android (android.graphics.Color)	4294930048 (0xFFFF6E80)
YUV	155.4070, -13.5117, 87.3431
Hunter-Lab	58.2841, 53.3131, 16.0732

Details

The XYZ color **50.7122, 33.9704, 24.3062** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **57.4785, 80.9501, 92.7221**, and the grayscale version is **31.3704, 33.0041, 35.9415**.

A 20% lighter version of the original color is **63.2167, 51.8686, 50.3958**, and **24.6767, 14.4482, 8.8853** is the 20% darker color. If you saturate the color by 10%, you get **47.0339, 28.7135, 16.6079**, and if you desaturate by 10%, it is **55.5071, 40.9431, 33.9737**.

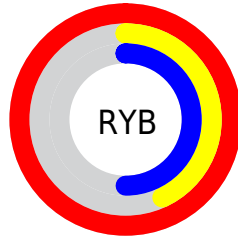
Distribution



Red (100%)

Green (43%)

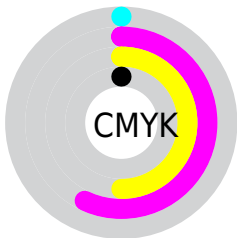
Blue (50%)



Red (100%)

Yellow (43%)

Blue (50%)

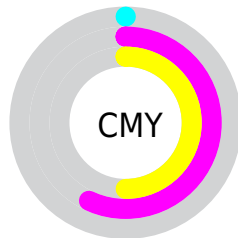


Cyan (0%)

Magenta (57%)

Yellow (50%)

Black (0%)



Cyan (0%)


Magenta (57%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.7122, 33.9704, 24.3062 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 50.7122, 33.9704, 24.3062 by changing the saturation by 10% instead.


 50.7122, 33.9704,
24.3062


 50.7122, 33.9704,
24.3062

379.8507,
320.0000, 287.7011


 36.1997, 22.8709,
15.3466


 90.4147, 65.8876,
51.4795

 24.7593, 14.4982,
8.9137


 116.3355, 87.4741,
70.5303

 16.0256, 8.4680,
4.5889


 146.7898,
113.3250, 93.7819

 9.6332, 4.3958,
1.9537

182.1429,
143.8248, 121.6529

 5.2169, 1.8974,
0.5266

222.7601,
179.3578, 154.5617

 2.4111, 0.5468,
0.0000

269.0070,

 0.8507, 0.0000,

220.3084, 192.9270

0.0000

321.2487,
267.0610, 237.1673

■ 0.0000, 0.0000,
0.0000

■ 50.7122, 33.9704,
24.3062

■ 50.7122, 33.9704,
24.3062

■ 47.0339, 28.7135,
16.6079

■ 55.5071, 40.9431,
33.9737

■ 44.3783, 25.0184,
10.7405

■ 61.4974, 49.7572,
45.7319

■ 42.6401, 22.7130,
6.5507

■ 68.7573, 60.5330,
59.6945

■ 41.6873, 21.5780,
3.8577

■ 77.3546, 73.3789,
75.9666

■ 41.4957, 21.3623,
3.2775

■ 87.3520, 88.3955,
94.6465

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



51.2853, 33.9704, 47.8877



50.7122, 33.9704, 24.3062



44.7004, 33.9704, 11.8309

Triad

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



50.7122, 33.9704, 24.3062



21.5234, 33.9704, 13.4454



28.9283, 33.9704, 105.2196

Complementary

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



50.7122, 33.9704, 24.3062



57.4785, 80.9501, 92.7221

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.



22.4163, 33.9704, 84.3216



50.7122, 33.9704, 24.3062



18.6783, 33.9704, 27.8820

Square

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



50.7122, 33.9704, 24.3062



27.4874, 33.9704, 7.7515



18.9732, 33.9704, 53.4552



37.6170, 33.9704, 102.8088

Rectangle

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



50.7122, 33.9704, 24.3062



38.9333, 33.9704, 8.1918



18.9732, 33.9704, 53.4552



26.4452, 33.9704, 100.4060

Sweetspot

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



50.7131, 33.9722, 24.3068



77.2243, 73.1834, 75.7213



58.1086, 36.1497, 98.5223



16.1367, 15.0766, 15.4685



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.



50.7131, 33.9722, 24.3068



46.6813, 28.2161, 15.8487



57.1826, 48.6415, 21.1293



18.1011, 18.0237, 19.1494



21.7109, 11.1736, 1.8621



2.1415, 1.0990, 0.3264

Inverse Universe

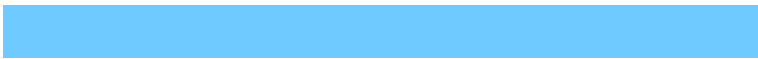
The Inverse Universe completely reimagines the original color for something new.



50.7131, 33.9722, 24.3068



46.6813, 28.2161, 15.8487



45.5636, 52.6998, 102.3780



18.1011, 18.0237, 19.1494



21.7109, 11.1736, 1.8621



2.1415, 1.0990, 0.3264

Previews

White Background



This preview shows how the XYZ color 50.7122, 33.9704, 24.3062 looks on a white background.

Color Contrast Check

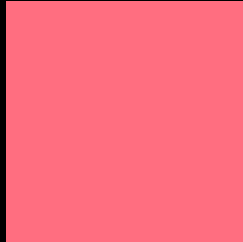
Large Text (above 18pt) WCAG AA × Fail

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 50.7122, 33.9704, 24.3062 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 50.7122, 33.9704, 24.3062

Background



This preview shows how black text looks on a background with the XYZ color 50.7122, 33.9704, 24.3062.



This preview shows how white text looks on a background with the XYZ color 50.7122, 33.9704,

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

50.7122, 33.9704, 24.3062

Protanopia

32.6248, 34.0623, 34.5609

Deuteranopia

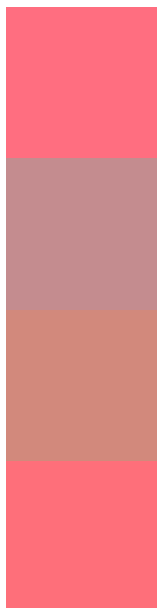
34.6870, 34.1512, 22.8528



Tritanopia

49.9970, 33.9911, 21.3786

Trichromacy



Original Color

50.7122, 33.9704, 24.3062

Protanomaly

37.1010, 32.4751, 30.2995

Deuteranomaly

39.1621, 33.0482, 23.3837

Tritanomaly

50.0703, 33.8449, 22.3061

Monochromacy



Original Color

50.7122, 33.9704, 24.3062

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

35.8293, 31.5859, 30.9963

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7122, 33.9704, 24.3062 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, 110, 128)` looks like.

```
.text, #text, p{  
    color:rgb(255, 110, 128)  
}
```

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, 110, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 110, 128) }
```

Border

The CSS property to change the border of an element to XYZ 50.7122, 33.9704, 24.3062 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, 110, 128) }
```


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

```
.border{ border-color:rgb(255, 110, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 110, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 110, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 110, 128); box-shadow:4px 4px 4px 4px rgb(255, 110, 128) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7122, 33.9704, 24.3062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 110, 128) }
```

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

```
.background{ background-color: rgb(255,  
110, 128) }
```

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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