

Converting Colors

XYZ(51.9824, 34.8630, 29.8092)

Have a look what the booklet for
XYZ(51.9824, 34.8630, 29.8092)
contains.

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Color

**XYZ(51.9921, 34.8315,
29.9695)**

Conversions

Conversions Part 1

Format	Color
Hex	FF708F
RGB	255, 112, 143
RGB Percent	100%, 44%, 56%
CMY	0.0000, 0.5608, 0.4392
CMYK	0.00, 0.56, 0.44, 0.00
HSL	347°, 100%, 72%
HSV	347°, 56%, 100%
XYZ	51.9921, 34.8315, 29.9695
YIQ	158.2910, 75.2770, 39.9570

Conversions

Conversions Part 2

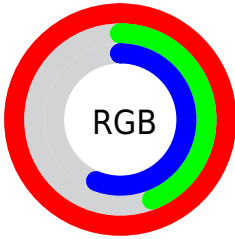
Format	Color
R_{YB}	255, 112, 143
Decimal	16740495
CIE _{Lab}	65.62, 57.12, 10.62
CIE _{LCh}	66, 58.099, 10.534
Yxy	34.8315, 0.4452, 0.2982
Android (android.graphics.Color)	4294930575 (0xFFFF708F)
YUV	158.2910, -7.5385, 84.8138
Hunter-Lab	59.0182, 53.9677, 11.2052

Details

The XYZ color **51.9921, 34.8315, 29.9695** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **55.8986, 80.3474, 83.0886**, and the grayscale version is **32.6420, 34.3419, 37.3983**.

A 20% lighter version of the original color is **65.3207, 53.2965, 59.6678**, and **25.5901, 14.9920, 11.9009** is the 20% darker color. If you saturate the color by 10%, you get **48.1853, 29.4278, 21.8885**, and if you desaturate by 10%, it is **56.8665, 41.9396, 39.7360**.

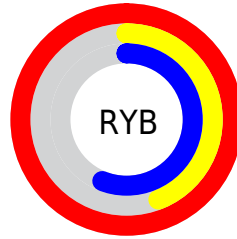
Distribution



Red (100%)

Green (44%)

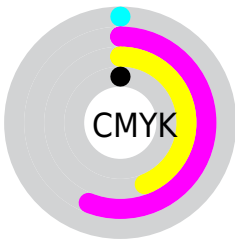
Blue (56%)



Red (100%)

Yellow (44%)

Blue (56%)

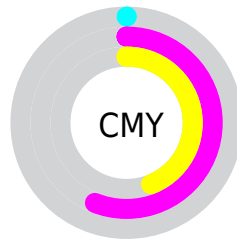


Cyan (0%)

Magenta (56%)

Yellow (44%)

Black (0%)



Cyan (0%)


Magenta (56%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.9921, 34.8315, 29.9695 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, 34.8315, 29.9695 by changing the saturation by 10% instead.


 51.9921, 34.8315,
29.9695


 51.9921, 34.8315,
29.9695

384.7306,
323.8240, 315.9651


 37.2230, 23.5331,
19.5636

 92.2939, 67.2247,
60.6744

 25.5547, 14.9876,
11.8973

 118.5573, 89.0882,
81.8104

 16.6217, 8.8107,
6.5521


 149.3829,
115.2423, 107.3602

 10.0588, 4.6179,
3.1094

185.1360,
146.0712, 137.7424

 5.5005, 2.0249,
1.1508

226.1819,
181.9595, 173.3754

 2.5816, 0.6219,
0.0000

272.8861,

 0.9366, 0.0000,

223.2914, 214.6779

0.0000

325.6139,
270.4514, 262.0683

■ 0.0000, 0.0000,
0.0000

■ 51.9921, 34.8315,
29.9695

■ 51.9921, 34.8315,
29.9695

■ 48.1853, 29.4278,
21.8885

■ 56.8665, 41.9396,
39.7360

■ 45.3601, 25.5787,
15.3928

■ 62.8803, 50.8740,
51.2763

■ 43.4205, 23.1180,
10.3739

■ 70.1019, 61.7519,
64.6744

■ 42.2488, 21.8373,
6.7068

■ 78.5934, 74.6792,
80.0086

■ 41.9360, 21.5384,
5.5955

■ 88.4129, 89.7540,
97.3523

95.0499, 100.0000,
108.9000

Harmonies

Analogous

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



51.1040, 34.8315, 55.8323



51.9921, 34.8315, 29.9695



47.2025, 34.8315, 14.8555

Triad

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



51.9921, 34.8315, 29.9695



23.5496, 34.8315, 12.2548



27.9356, 34.8315, 101.6932

Complementary

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



51.9921, 34.8315, 29.9695



55.8986, 80.3474, 83.0886

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.



22.1395, 34.8315, 77.3790



51.9921, 34.8315, 29.9695



19.9246, 34.8315, 24.3264

Square

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



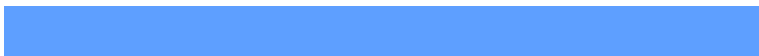
51.9921, 34.8315, 29.9695



30.1972, 34.8315, 7.9522



19.4570, 34.8315, 47.1781



36.1964, 34.8315, 105.3915

Rectangle

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



51.9921, 34.8315, 29.9695



41.8479, 34.8315, 9.9670



19.4570, 34.8315, 47.1781



25.6756, 34.8315, 95.2874

Sweetspot

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



51.9930, 34.8333, 29.9701



77.7533, 73.3951, 78.5073



53.8576, 34.2822, 98.3861



16.2601, 15.1259, 16.1183



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, 34.8333, 29.9701



47.8843, 29.0089, 21.2228



55.0936, 44.2872, 20.9762



18.1705, 18.0515, 19.5149



21.9570, 11.2721, 3.1579



2.1762, 1.1128, 0.5091

Inverse Universe

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



51.9930, 34.8333, 29.9701



47.8843, 29.0089, 21.2228



49.5122, 60.2234, 103.6223



18.1705, 18.0515, 19.5149



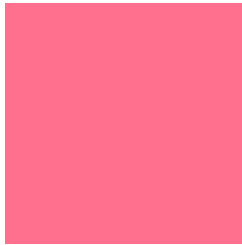
21.9570, 11.2721, 3.1579



2.1762, 1.1128, 0.5091

Previews

White Background



This preview shows how the XYZ color 51.9921, 34.8315, 29.9695 looks on a white background.

Color Contrast Check

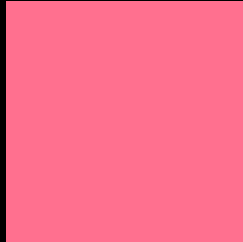
Large Text (above 18pt) WCAG AA × Fail

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, 34.8315, 29.9695 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, 34.8315, 29.9695

Background



This preview shows how black text looks on a background with the XYZ color 51.9921, 34.8315, 29.9695.



This preview shows how white text looks on a background with the XYZ color 51.9921, 34.8315,

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, 34.8315, 29.9695

Protanopia

34.0568, 35.1344, 42.5228

Deuteranopia

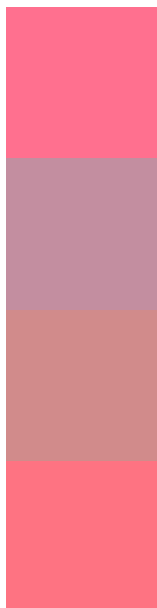
35.5280, 34.9561, 28.1672



Tritanopia

50.6936, 34.9917, 22.8211

Trichromacy



Original Color

51.9921, 34.8315, 29.9695

Protanomaly

38.5238, 33.4862, 37.6908

Deuteranomaly

40.1873, 33.8846, 28.8484

Tritanomaly

51.0330, 34.9440, 25.1742

Monochromacy



Original Color

51.9921, 34.8315, 29.9695

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

37.2670, 32.6871, 34.4821

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.9921, 34.8315, 29.9695 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, 112, 143)` looks like.

```
.text, #text, p{  
    color:rgb(255, 112, 143)  
}
```

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, 112, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 112, 143) }
```

Border

The CSS property to change the border of an element to XYZ 51.9921, 34.8315, 29.9695 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, 112, 143) }
```


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

```
.border{ border-color:rgb(255, 112, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 112, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 112, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 112, 143);  
box-shadow:4px 4px 4px 4px rgb(255, 112,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 51.9921, 34.8315, 29.9695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 112, 143) }
```

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

```
.background{ background-color: rgb(255,  
112, 143) }
```

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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