

Converting Colors

XYZ(51.4578, 35.4856, 24.4804)

Have a look what the booklet for
XYZ(51.4578, 35.4856, 24.4804)
contains.

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Color

**XYZ(51.4976, 35.5411,
24.5680)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7580
RGB	255, 117, 128
RGB Percent	100%, 46%, 50%
CMY	0.0000, 0.5411, 0.4980
CMYK	0.00, 0.54, 0.50, 0.00
HSL	355°, 100%, 73%
HSV	355°, 54%, 100%
XYZ	51.4976, 35.5411, 24.5680
YIQ	159.5160, 78.7170, 32.6770

Conversions

Conversions Part 2

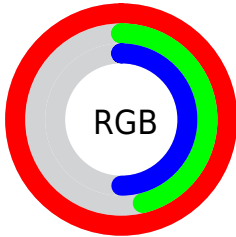
Format	Color
R_{YB}	255, 117, 128
Decimal	16741760
CIE _{Lab}	66.17, 53.45, 19.91
CIE _{LCh}	66, 57.034, 20.432
Yxy	35.5411, 0.4614, 0.3184
Android (android.graphics.Color)	4294931840 (0xFFFF7580)
YUV	159.5160, -15.5374, 83.7395
Hunter-Lab	59.6164, 49.8626, 17.2979

Details

The XYZ color **51.4976, 35.5411, 24.5680** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **59.4273, 81.8344, 98.2570**, and the grayscale version is **33.2360, 34.9669, 38.0789**.

A 20% lighter version of the original color is **64.5241, 54.4833, 50.8316**, and **25.3820, 15.4791, 9.0471** is the 20% darker color. If you saturate the color by 10%, you get **47.5504, 29.8397, 16.4924**, and if you desaturate by 10%, it is **56.6128, 43.0072, 34.7959**.

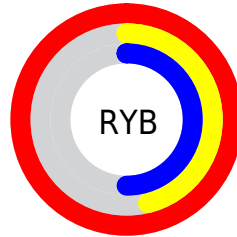
Distribution



Red (100%)

Green (46%)

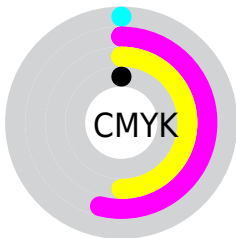
Blue (50%)



Red (100%)

Yellow (46%)

Blue (50%)

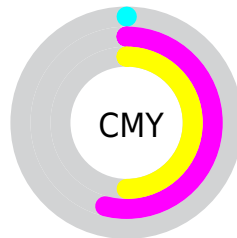


Cyan (0%)

Magenta (54%)

Yellow (50%)

Black (0%)



Cyan (0%)


Magenta (54%)


Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.4976, 35.5411, 24.5680 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 51.4976, 35.5411, 24.5680 by changing the saturation by 10% instead.


 51.4976, 35.5411,
24.5680


 51.4976, 35.5411,
24.5680


382.8499,
326.9503, 289.0581

 36.8274, 24.0800,
15.5394


 91.5685, 68.3232,
51.9109

 25.2470, 15.3930,
9.0480


 117.6999, 90.4129,
71.0623

 16.3909, 9.0956,
4.6753


 148.3825,
116.8143, 94.4251

 9.8938, 4.8036,
2.0026

183.9816,
147.9118, 122.4178

 5.3903, 2.1325,
0.5569

224.8625,
184.0898, 155.4588

 2.5151, 0.6828,
0.0000

271.3906,

 0.9029, 0.0000,

225.7326, 193.9669

0.0000

323.9313,
273.2246, 238.3605

■ 0.0000, 0.0000,
0.0000

■ 51.4976, 35.5411,
24.5680

■ 51.4976, 35.5411,
24.5680

■ 47.5504, 29.8397,
16.4924

■ 56.6128, 43.0072,
34.7959

■ 44.6762, 25.7524,
10.4131

■ 62.9758, 52.3610,
47.3131

■ 42.7694, 23.1134,
6.1563

■ 70.6624, 63.7210,
62.2475

■ 41.7014, 21.7181,
3.5171

■ 79.7417, 77.1945,
79.7169

■ 41.3690, 21.3116,
2.6097

■ 90.2777, 92.8811,
99.8314

95.0499, 99.9999,
108.9000

Harmonies

Analogous

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



52.5641, 35.5411, 46.9988



51.4976, 35.5411, 24.5680



45.2792, 35.5411, 12.6939

Triad

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



51.4976, 35.5411, 24.5680



22.6975, 35.5411, 15.9083



31.1400, 35.5411, 105.5038

Complementary

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



51.4976, 35.5411, 24.5680



59.4273, 81.8344, 98.2570

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.



24.4150, 35.5411, 87.0650



51.4976, 35.5411, 24.5680



20.1083, 35.5411, 31.4374

Square

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



51.4976, 35.5411, 24.5680



28.3980, 35.5411, 9.3456



20.6795, 35.5411, 57.4144



39.8040, 35.5411, 101.0973

Rectangle

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



51.4976, 35.5411, 24.5680



39.5468, 35.5411, 9.2526



20.6795, 35.5411, 57.4144



28.6043, 35.5411, 101.5548

Sweetspot

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



51.4985, 35.5430, 24.5686



77.9203, 74.4877, 76.2238



61.5473, 39.0883, 98.9084



16.2650, 15.3299, 15.5216



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.



51.4985, 35.5430, 24.5686



47.2541, 29.4148, 15.8758



59.6850, 53.0120, 23.9188



18.0681, 18.0105, 18.9757



21.6367, 11.1440, 1.4714



2.1260, 1.0928, 0.2447

Inverse Universe

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



51.4985, 35.5430, 24.5686



47.2541, 29.4148, 15.8758



45.4679, 51.1639, 102.0867



18.0681, 18.0105, 18.9757



21.6367, 11.1440, 1.4714



2.1260, 1.0928, 0.2447

Previews

White Background



This preview shows how the XYZ color 51.4976, 35.5411, 24.5680 looks on a white background.

Color Contrast Check

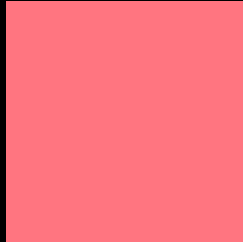
Large Text (above 18pt) WCAG AA × Fail

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 51.4976, 35.5411, 24.5680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

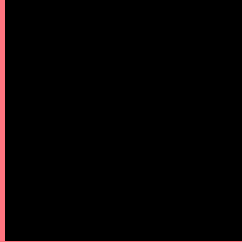
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.4976, 35.5411, 24.5680

Background



This preview shows how black text looks on a background with the XYZ color 51.4976, 35.5411, 24.5680.



This preview shows how white text looks on a background with the XYZ color 51.4976, 35.5411,

24.5680.

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

51.4976, 35.5411, 24.5680

Protanopia

34.1060, 35.8752, 33.5608

Deuteranopia

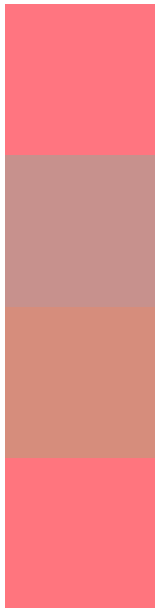
36.4694, 35.7950, 23.3993



Tritanopia

51.3030, 35.4632, 23.5432

Trichromacy



Original Color

51.4976, 35.5411, 24.5680

Protanomaly

38.4863, 34.3160, 29.7945

Deuteranomaly

40.8945, 34.8011, 23.6307

Tritanomaly

51.3672, 35.4889, 23.8814

Monochromacy



Original Color

51.4976, 35.5411, 24.5680

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

37.8242, 33.6867, 32.5256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4976, 35.5411, 24.5680 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, 117, 128)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 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, 117, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 128) }
```

Border

The CSS property to change the border of an element to XYZ 51.4976, 35.5411, 24.5680 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, 117, 128) }
```


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

```
.border{ border-color:rgb(255, 117, 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, 117, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 117, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 117, 128);  
box-shadow:4px 4px 4px 4px rgb(255, 117,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4976, 35.5411, 24.5680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 117, 128) }
```

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

```
.background{ background-color: rgb(255,  
117, 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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