

Converting Colors

XYZ(70.2726, 41.3828, 31.6562)

Have a look what the booklet for
XYZ(70.2726, 41.3828, 31.6562)
contains.

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Color

**XYZ(50.3427, 31.1640,
30.5560)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5D92
RGB	255, 93, 146
RGB Percent	100%, 36%, 57%
CMY	0.0000, 0.6353, 0.4274
CMYK	0.00, 0.64, 0.43, 0.00
HSL	340°, 100%, 68%
HSV	340°, 64%, 100%
XYZ	50.3427, 31.1640, 30.5560
YIQ	147.4800, 79.5390, 50.8270

Conversions

Conversions Part 2

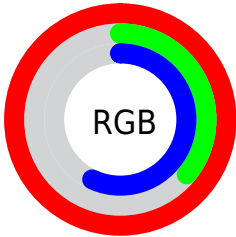
Format	Color
R _Y B	255, 93, 146
Decimal	16735634
CIE Lab	62.65, 65.56, 4.66
CIE LCh	63, 65.722, 4.062
Yxy	31.1640, 0.4492, 0.2781
Android (android.graphics.Color)	4294925714 (0xFFFF5D92)
YUV	147.4800, -0.7296, 94.2950
Hunter-Lab	55.8247, 63.2779, 6.6246

Details

The XYZ color **50.3427, 31.1640, 30.5560** is a light color, and the websafe version is hex **FF6699**. The color can be described as light muted rose. A complement of this color would be **50.9369, 78.1123, 68.2751**, and the grayscale version is **27.9132, 29.3668, 31.9805**.

A 20% lighter version of the original color is **62.7319, 47.5633, 60.5179**, and **24.4513, 12.8772, 12.2632** is the 20% darker color. If you saturate the color by 10%, you get **47.2295, 26.9159, 23.4200**, and if you desaturate by 10%, it is **54.4037, 36.9872, 38.9969**.

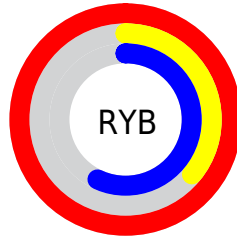
Distribution



Red (100%)

Green (36%)

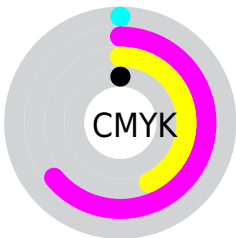
Blue (57%)



Red (100%)

Yellow (36%)

Blue (57%)

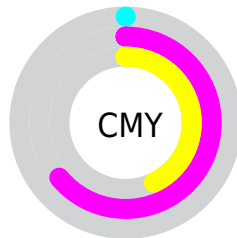


Cyan (0%)

Magenta (64%)

Yellow (43%)

Black (0%)



Cyan (0%)


Magenta (64%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.3427, 31.1640, 30.5560 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 50.3427, 31.1640, 30.5560 by changing the saturation by 10% instead.


 50.3427, 31.1640,
30.5560


 50.3427, 31.1640,
30.5560

378.4345,
307.2932, 318.7752


 35.9047, 20.7238,
20.0054


 89.8712, 61.4982,
61.6117


 24.5304, 12.9222,
12.2148


 115.6924, 82.1609,
82.9539

 15.8544, 7.3750,
6.7658


 146.0388,
106.9999, 108.7303

 9.5114, 3.6977,
3.2399

 181.2755,
136.3996, 139.3595

 5.1360, 1.5059,
1.2184

221.7682,
170.7444, 175.2601

 2.3628, 0.2929,
0.0000

267.8819,

 0.8265, 0.0000,

210.4187, 216.8505

0.0000

319.9823,
255.8068, 264.5494

■ 0.0000, 0.0000,
0.0000

■ 50.3427, 31.1640,
30.5560

■ 50.3427, 31.1640,
30.5560

■ 47.2295, 26.9159,
23.4200

■ 54.4037, 36.9872,
38.9969

■ 44.9754, 24.0794,
17.5145

■ 59.4853, 44.5176,
48.8072

■ 43.4770, 22.4635,
12.7582

■ 65.6555, 53.8789,
60.0487

■ 42.8175, 21.8910,
10.2369

■ 72.9759, 65.1819,
72.7787

■ 81.5031, 78.5286,
87.0510

91.2898, 94.0137,
102.9170

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.



47.9710, 31.1640, 60.4121



50.3427, 31.1640, 30.5560



46.3077, 31.1640, 13.1208

Triad

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



50.3427, 31.1640, 30.5560



20.9811, 31.1640, 7.2734



22.7059, 31.1640, 100.4506

Complementary

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



50.3427, 31.1640, 30.5560



50.9369, 78.1123, 68.2751

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.



17.5178, 31.1640, 69.7476



50.3427, 31.1640, 30.5560



16.6720, 31.1640, 16.6031

Square

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



50.3427, 31.1640, 30.5560



28.4168, 31.1640, 4.6763



15.5448, 31.1640, 37.5486



30.8576, 31.1640, 110.7769

Rectangle

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



50.3427, 31.1640, 30.5560



40.9259, 31.1640, 7.6104



15.5448, 31.1640, 37.5486



20.6160, 31.1640, 91.6075

Sweetspot

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



50.3435, 31.1657, 30.5565



76.6824, 70.9633, 79.0438



46.0534, 27.4683, 97.4824



15.9056, 14.3964, 16.0632



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.



50.3435, 31.1657, 30.5565



46.5954, 26.0893, 21.8472



49.9336, 35.4853, 14.5756



18.2543, 18.0850, 19.9565



22.4338, 11.4628, 5.6690



2.2321, 1.1352, 0.8039

Inverse Universe

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



50.3435, 31.1657, 30.5565



46.5954, 26.0893, 21.8472



50.3090, 65.0353, 104.5092



18.2543, 18.0850, 19.9565



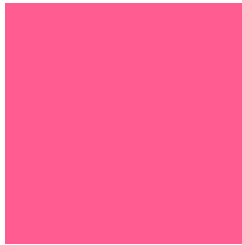
22.4338, 11.4628, 5.6690



2.2321, 1.1352, 0.8039

Previews

White Background



This preview shows how the XYZ color 50.3427, 31.1640, 30.5560 looks on a white background.

Color Contrast Check

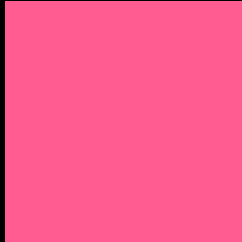
Large Text (above 18pt) WCAG AA × Fail

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 50.3427, 31.1640, 30.5560 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 50.3427, 31.1640, 30.5560

Background



This preview shows how black text looks on a background with the XYZ color 50.3427, 31.1640, 30.5560.



This preview shows how white text looks on a background with the XYZ color 50.3427, 31.1640,

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

50.3427, 31.1640, 30.5560

Protanopia

31.1589, 31.5395, 47.6255

Deuteranopia

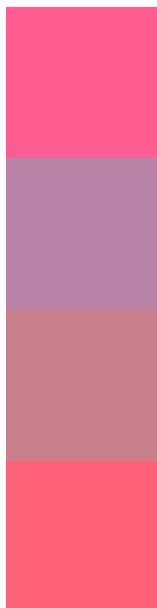
31.6609, 31.0507, 28.3694



Tritanopia

47.4524, 31.0643, 17.4049

Trichromacy



Original Color

50.3427, 31.1640, 30.5560

Protanomaly

35.3002, 29.2315, 40.8275

Deuteranomaly

36.7542, 29.6584, 28.9868

Tritanomaly

48.3269, 30.9985, 21.5254

Monochromacy



Original Color

50.3427, 31.1640, 30.5560

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

33.1055, 27.7244, 31.2103

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.3427, 31.1640, 30.5560 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, 93, 146)` looks like.

```
.text, #text, p{  
    color:rgb(255, 93, 146)  
}
```

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, 93, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 93, 146) }
```

Border

The CSS property to change the border of an element to XYZ 50.3427, 31.1640, 30.5560 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, 93, 146) }
```


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

```
.border{ border-color:rgb(255, 93, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 93, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 93, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 93, 146);  
box-shadow:4px 4px 4px 4px rgb(255, 93,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 50.3427, 31.1640, 30.5560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 93, 146) }
```

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

```
.background{ background-color: rgb(255, 93,  
146) }
```

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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