

Converting Colors

XYZ(69.9012, 58.3566, 73.8371)

Have a look what the booklet for
XYZ(69.9012, 58.3566, 73.8371)
contains.

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Color

**XYZ(70.0150, 58.5622,
73.9431)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB3DA
RGB	255, 179, 218
RGB Percent	100%, 70%, 85%
CMY	0.0000, 0.2980, 0.1451
CMYK	0.00, 0.30, 0.15, 0.00
HSL	329°, 100%, 85%
HSV	329°, 30%, 100%
XYZ	70.0150, 58.5622, 73.9431
YIQ	206.1700, 32.7770, 28.2410

Conversions

Conversions Part 2

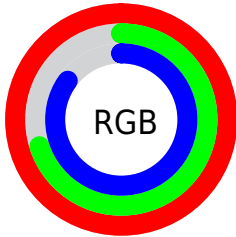
Format	Color
R_{YB}	255, 179, 218
Decimal	16757722
CIE _{Lab}	81.05, 33.25, -8.47
CIE _{LCh}	81, 34.307, 345.710
Yxy	58.5622, 0.3457, 0.2892
Android (android.graphics.Color)	4294947802 (0xFFFFB3DA)
YUV	206.1700, 5.8322, 42.8239
Hunter-Lab	76.5259, 29.3925, -3.7207

Details

The XYZ color **70.0150, 58.5622, 73.9431** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **66.7472, 86.0626, 78.0630**, and the grayscale version is **58.7255, 61.7838, 67.2826**.

A 20% lighter version of the original color is **88.9983, 87.8967, 106.8828**, and **36.9704, 29.1819, 38.3344** is the 20% darker color. If you saturate the color by 10%, you get **63.8046, 48.6447, 64.1557**, and if you desaturate by 10%, it is **77.2949, 70.4234, 84.6889**.

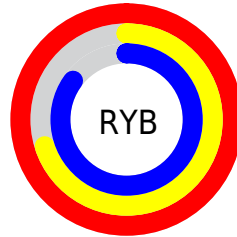
Distribution



Red (100%)

Green (70%)

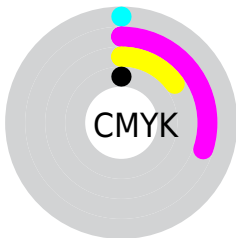
Blue (85%)



Red (100%)

Yellow (70%)

Blue (85%)

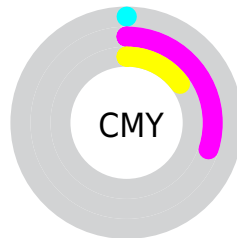


Cyan (0%)

Magenta (30%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (30%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.0150, 58.5622, 73.9431 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 70.0150, 58.5622, 73.9431 by changing the saturation by 10% instead.


 70.0150, 58.5622,
73.9431

 70.0150, 58.5622,
73.9431


449.8683,
419.2776, 493.4351

 51.8184, 42.2608,
54.2510


 118.2563,
102.7411, 126.5484

 37.0840, 29.3056,
38.4078


149.0317,
131.3874, 160.2987

 25.4465, 19.3121,
25.9951

184.7308,
164.9174, 199.5721

 16.5406, 11.8960,
16.5942

225.7188,
203.7156, 244.7872

 10.0007, 6.6729,
9.7867

272.3613,
248.1663, 296.3625

 5.4617, 3.2584,
5.1540

325.0234,

 2.5581, 1.2681,

298.6539, 354.7166

2.2776

384.0706,
355.5629, 420.2679

■ 0.9247, 0.1163,
0.7186

■ 0.0000, 0.0000,
0.0000

■ 70.0150, 58.5622,
73.9431

■ 70.0150, 58.5622,
73.9431

■ 63.8046, 48.6447,
64.1557

■ 77.2949, 70.4234,
84.6889

■ 58.6047, 40.5579,
55.2917

■ 85.6908, 84.3180,
96.4192

■ 54.3567, 34.1887,
47.3190

95.0500, 100.0000,
108.9000

■ 50.9940, 29.4085,
40.2011

■ 48.4405, 26.0699,
33.8983

■ 46.6062, 23.9977,
28.3654

■ 45.3487, 22.9123,
23.5390

■ 45.3265, 22.8946,
23.4492

Harmonies

Analogous

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



66.0511, 58.5622, 95.2593



70.0150, 58.5622, 73.9431



69.9127, 58.5622, 53.7233

Triad

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



70.0150, 58.5622, 73.9431



52.0353, 58.5622, 32.9707



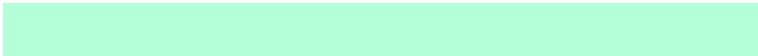
46.6361, 58.5622, 96.1603

Complementary

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



70.0150, 58.5622, 73.9431



66.7472, 86.0626, 78.0630

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.



43.4920, 58.5622, 74.9843



70.0150, 58.5622, 73.9431



46.4231, 58.5622, 40.1111

Square

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



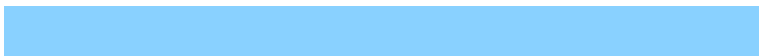
70.0150, 58.5622, 73.9431



59.1107, 58.5622, 32.8089



43.4176, 58.5622, 54.5653



52.3494, 58.5622, 109.8221

Rectangle

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



70.0150, 58.5622, 73.9431



67.5382, 58.5622, 43.5024



43.4176, 58.5622, 54.5653



45.2660, 58.5622, 89.5051

Sweetspot

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



70.0164, 58.5647, 73.9443



86.4135, 85.5225, 97.4028



62.4125, 54.0215, 101.7454



18.2164, 17.8395, 20.4670



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.



70.0164, 58.5647, 73.9443



66.0437, 52.1939, 67.7661



65.6274, 56.8091, 50.8322



18.3985, 18.1427, 20.7155



23.7599, 11.9932, 12.6518



2.3686, 1.1898, 1.5226

Inverse Universe

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



70.0164, 58.5647, 73.9443



66.0437, 52.1939, 67.7661



72.1986, 88.2431, 106.7696



18.3985, 18.1427, 20.7155



23.7599, 11.9932, 12.6518



2.3686, 1.1898, 1.5226

Previews

White Background



This preview shows how the XYZ color 70.0150, 58.5622, 73.9431 looks on a white background.

Color Contrast Check

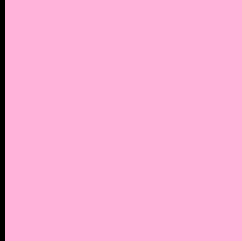
Large Text (above 18pt) WCAG AA × Fail

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 70.0150, 58.5622, 73.9431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

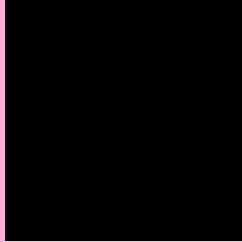
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.0150, 58.5622, 73.9431

Background



This preview shows how black text looks on a background with the XYZ color 70.0150, 58.5622, 73.9431.



This preview shows how white text looks on a background with the XYZ color 70.0150, 58.5622,

73.9431.

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

70.0150, 58.5622, 73.9431

Protanopia

57.8430, 58.8138, 83.9049

Deuteranopia

60.0300, 58.8332, 72.4820



Tritanopia

67.1564, 58.5936, 60.5935

Trichromacy



Original Color

70.0150, 58.5622, 73.9431



Protanomaly

61.1924, 57.9420, 79.9102



Deuteranomaly

63.4413, 58.6078, 72.9345



Tritanomaly

68.2554, 58.7463, 65.4993

Monochromacy



Original Color

70.0150, 58.5622, 73.9431



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

62.1133, 59.9803, 69.2764

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.0150, 58.5622, 73.9431 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, 179, 218)` looks like.

```
.text, #text, p{  
    color:rgb(255, 179, 218)  
}
```

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, 179, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 179, 218) }
```

Border

The CSS property to change the border of an element to XYZ 70.0150, 58.5622, 73.9431 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, 179, 218) }
```


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

```
.border{ border-color:rgb(255, 179, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 179, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 179, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 179, 218);  
box-shadow:4px 4px 4px 4px rgb(255, 179,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0150, 58.5622, 73.9431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 179, 218) }
```

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

```
.background{ background-color: rgb(255,  
179, 218) }
```

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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