

Converting Colors

XYZ(56.5670, 38.1083, 49.6000)

Have a look what the booklet for
XYZ(56.5670, 38.1083, 49.6000)
contains.

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Color

**XYZ(56.6082, 38.1536,
49.7282)**

Conversions

Conversions Part 1

Format	Color
Hex	FF78B8
RGB	255, 120, 184
RGB Percent	100%, 47%, 72%
CMY	0.0000, 0.5294, 0.2784
CMYK	0.00, 0.53, 0.28, 0.00
HSL	332°, 100%, 74%
HSV	332°, 53%, 100%
XYZ	56.6082, 38.1536, 49.7282
YIQ	167.6610, 59.9160, 48.5240

Conversions

Conversions Part 2

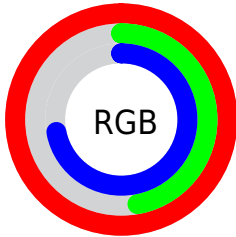
Format	Color
R_{YB}	255, 120, 184
Decimal	16742584
CIE _{Lab}	68.13, 58.03, -8.96
CIE _{LCh}	68, 58.721, 351.221
Yxy	38.1536, 0.3918, 0.2641
Android (android.graphics.Color)	4294932664 (0xFFFF78B8)
YUV	167.6610, 8.0551, 76.5963
Hunter-Lab	61.7686, 55.4923, -4.4947

Details

The XYZ color **56.6082, 38.1536, 49.7282** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **52.9115, 79.2755, 61.8070**, and the grayscale version is **36.9958, 38.9225, 42.3866**.

A 20% lighter version of the original color is **72.4935, 58.6019, 89.9286**, and **28.4358, 16.9076, 23.2375** is the 20% darker color. If you saturate the color by 10%, you get **52.5995, 32.2806, 41.7815**, and if you desaturate by 10%, it is **61.5685, 45.7164, 58.6506**.

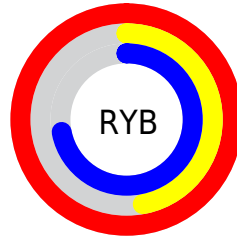
Distribution



Red (100%)

Green (47%)

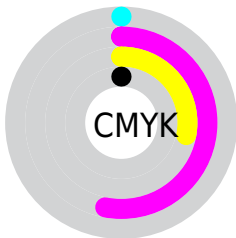
Blue (72%)



Red (100%)

Yellow (47%)

Blue (72%)

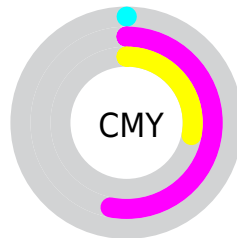


Cyan (0%)

Magenta (53%)

Yellow (28%)

Black (0%)



Cyan (0%)


Magenta (53%)


Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.6082, 38.1536, 49.7282 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 56.6082, 38.1536, 49.7282 by changing the saturation by 10% instead.

 56.6082, 38.1536,
49.7282


 56.6082, 38.1536,
49.7282


402.0175,
338.2784, 402.3067


 40.9297, 26.1019,
34.8278


 99.0279, 72.3435,
91.1642

 28.4516, 16.8999,
23.2478


 126.4999, 95.2505,
118.5369

 18.8085, 10.1632,
14.5696


 158.6336,
122.5448, 150.9041

 11.6352, 5.5073,
8.3746

195.7946,
154.6107, 188.6843

 6.5662, 2.5479,
4.2444

238.3481,
191.8326, 232.2962

 3.2362, 0.9005,
1.7603

286.6595,

 1.2799, 0.0000,

234.5949, 282.1581

0.4016

341.0942,
283.2821, 338.6888

■ 0.1681, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.6082, 38.1536,
49.7282

■ 56.6082, 38.1536,
49.7282

■ 52.5995, 32.2806,
41.7815

■ 61.5685, 45.7164,
58.6506

■ 49.4695, 27.9575,
34.7667

■ 67.5401, 55.0829,
68.5848

■ 47.1386, 25.0313,
28.6388

■ 74.5811, 66.3638,
79.5675

■ 45.5095, 23.3141,
23.3453

■ 82.7441, 79.6588,
91.6323

■ 44.6840, 22.6376,
20.0659

■ 92.0781, 95.0611,
104.8114

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.



51.8033, 38.1536, 81.8297



56.6082, 38.1536, 49.7282



55.2888, 38.1536, 25.8262

Triad

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



56.6082, 38.1536, 49.7282



30.2538, 38.1536, 10.0277



26.3117, 38.1536, 94.5903

Complementary

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



56.6082, 38.1536, 49.7282



52.9115, 79.2755, 61.8070

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.



22.1964, 38.1536, 62.6111



56.6082, 38.1536, 49.7282



24.1915, 38.1536, 17.2788

Square

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



56.6082, 38.1536, 49.7282



39.0194, 38.1536, 8.9701



21.4916, 38.1536, 34.3088



33.6412, 38.1536, 114.0105

Rectangle

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



56.6082, 38.1536, 49.7282



51.1935, 38.1536, 16.3771



21.4916, 38.1536, 34.3088



24.5619, 38.1536, 84.4455

Sweetspot

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



56.6092, 38.1554, 49.7289



80.1227, 75.3686, 87.8215



45.9411, 31.5702, 98.2800



16.7854, 15.5381, 18.2615



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.



56.6092, 38.1554, 49.7289



52.2268, 31.7505, 40.9932



51.6218, 36.5986, 22.1151



18.3679, 18.1305, 20.5545



23.4226, 11.8583, 10.8757



2.3353, 1.1765, 1.3471

Inverse Universe

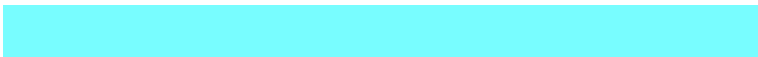
The Inverse Universe completely reimagines the original color for something new.



56.6092, 38.1554, 49.7289



52.2268, 31.7505, 40.9932



60.8432, 81.3065, 107.0947



18.3679, 18.1305, 20.5545



23.4226, 11.8583, 10.8757



2.3353, 1.1765, 1.3471

Previews

White Background



This preview shows how the XYZ color 56.6082, 38.1536, 49.7282 looks on a white background.

Color Contrast Check

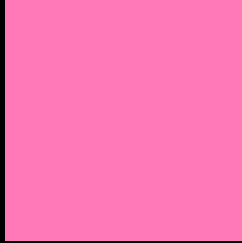
Large Text (above 18pt) WCAG AA × Fail

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 56.6082, 38.1536, 49.7282 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

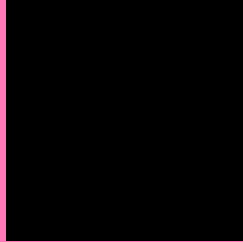
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.6082, 38.1536, 49.7282

Background



This preview shows how black text looks on a background with the XYZ color 56.6082, 38.1536, 49.7282.



This preview shows how white text looks on a background with the XYZ color 56.6082, 38.1536,

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

56.6082, 38.1536, 49.7282

Protanopia

38.9192, 38.6353, 69.0244

Deuteranopia

39.2162, 38.4800, 46.9554



Tritanopia

52.2941, 38.0738, 29.0189

Trichromacy



Original Color

56.6082, 38.1536, 49.7282



Protanomaly

43.0128, 36.8831, 61.3520



Deuteranomaly

44.1255, 37.2845, 48.0510



Tritanomaly

53.5221, 37.9837, 35.5210

Monochromacy



Original Color

56.6082, 38.1536, 49.7282



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

42.5260, 37.4686, 45.0352

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.6082, 38.1536, 49.7282 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, 120, 184)` looks like.

```
.text, #text, p{  
    color:rgb(255, 120, 184)  
}
```

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, 120, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 120, 184) }
```

Border

The CSS property to change the border of an element to XYZ 56.6082, 38.1536, 49.7282 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, 120, 184) }
```


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

```
.border{ border-color:rgb(255, 120, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 120, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 120, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 120, 184);  
box-shadow:4px 4px 4px 4px rgb(255, 120,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 56.6082, 38.1536, 49.7282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 120, 184) }
```

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

```
.background{ background-color: rgb(255,  
120, 184) }
```

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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