

Converting Colors

XYZ(56.1798, 33.1510, 62.3663)

Have a look what the booklet for
XYZ(56.1798, 33.1510, 62.3663)
contains.

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Color

**XYZ(56.1586, 33.0773,
62.4562)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5ACF
RGB	255, 90, 207
RGB Percent	100%, 35%, 81%
CMY	0.0000, 0.6470, 0.1882
CMYK	0.00, 0.65, 0.19, 0.00
HSL	317°, 100%, 68%
HSV	317°, 65%, 100%
XYZ	56.1586, 33.0773, 62.4562
YIQ	152.6730, 60.7830, 71.3670

Conversions

Conversions Part 2

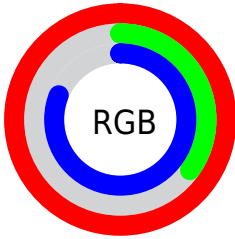
Format	Color
R _Y B	255, 90, 207
Decimal	16734927
CIE Lab	64.22, 73.77, -27.86
CIE LCh	64, 78.856, 339.311
Yxy	33.0773, 0.3702, 0.2181
Android (android.graphics.Color)	4294925007 (0xFFFF5ACF)
YUV	152.6730, 26.7832, 89.7408
Hunter-Lab	57.5129, 73.6493, -24.1271

Details

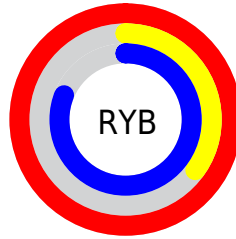
The XYZ color **56.1586, 33.0773, 62.4562** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted magenta. A complement of this color would be **44.5654, 75.5293, 36.2777**, and the grayscale version is **30.0068, 31.5695, 34.3792**.

A 20% lighter version of the original color is **70.0374, 49.9749, 100.5625**, and **28.2600, 14.0428, 30.9268** is the 20% darker color. If you saturate the color by 10%, you get **53.4788, 29.1351, 57.1929**, and if you desaturate by 10%, it is **59.6201, 38.5143, 68.1910**.

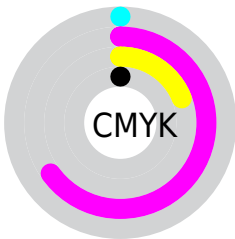
Distribution



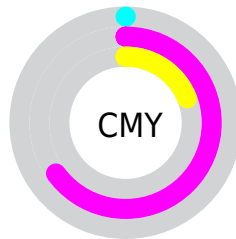
- Red (100%)
- Green (35%)
- Blue (81%)



- Red (100%)
- Yellow (35%)
- Blue (81%)



- Cyan (0%)
- Magenta (65%)
- Yellow (19%)
- Black (0%)





- Cyan (0%)
- Magenta (65%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.1586, 33.0773, 62.4562 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 56.1586, 33.0773, 62.4562 by changing the saturation by 10% instead.


 56.1586, 33.0773,
62.4562


 56.1586, 33.0773,
62.4562


400.3543,
315.9979, 451.6467


 40.5676, 22.1857,
44.9633


 98.3749, 64.4962,
109.9626


 28.1675, 13.9934,
31.0857


 125.7309, 85.7922,
140.8131

 18.5931, 8.1161,
20.4051


 157.7393,
111.3252, 176.9532

 11.4789, 4.1693,
12.5029

 194.7654,
141.4795, 218.8015

 6.4596, 1.7687,
6.9605

237.1746,
176.6396, 266.7764

 3.1698, 0.4676,
3.3593

285.3322,

 1.2442, 0.0000,

217.1897, 321.2966

1.2809

339.6037,
263.5144, 382.7805

■ 0.1408, 0.0000,
0.0461

■ 0.0000, 0.0000,
0.0000

■ 56.1586, 33.0773,
62.4562

■ 56.1586, 33.0773,
62.4562

■ 53.4788, 29.1351,
57.1929

■ 59.6201, 38.5143,
68.1910

■ 51.4984, 26.5247,
52.3698

■ 63.9292, 45.5776,
74.4211

■ 50.1206, 25.0531,
47.9521

■ 69.1476, 54.3893,
81.1701

■ 49.5615, 24.5886,
45.7506

■ 75.3301, 65.0586,
88.4589

82.5275, 77.6858,
96.3072

90.7866, 92.3638,
104.7332

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.



47.1288, 33.0773, 107.7909



56.1586, 33.0773, 62.4562



57.7992, 33.0773, 26.9404

Triad

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



56.1586, 33.0773, 62.4562



28.0859, 33.0773, 3.0138



17.5609, 33.0773, 90.8325

Complementary

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



56.1586, 33.0773, 62.4562



44.5654, 75.5293, 36.2777

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.



14.6320, 33.0773, 46.9293



56.1586, 33.0773, 62.4562



19.6865, 33.0773, 6.2873

Square

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



56.1586, 33.0773, 62.4562



39.6666, 33.0773, 3.6598



15.3049, 33.0773, 18.3419



24.4358, 33.0773, 129.8418

Rectangle

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



56.1586, 33.0773, 62.4562



54.1707, 33.0773, 13.4932



15.3049, 33.0773, 18.3419



16.1662, 33.0773, 75.3708

Sweetspot

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



56.1595, 33.0788, 62.4568



79.3069, 72.0131, 92.8646



31.9835, 19.8316, 96.7499



16.5390, 14.6498, 19.3989



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.



56.1595, 33.0788, 62.4568



52.7526, 28.1355, 55.5553



48.6471, 30.0739, 22.8974



18.5542, 18.2050, 21.5355



25.9651, 12.8754, 24.2647



2.5757, 1.2727, 2.6131

Inverse Universe

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



56.1595, 33.0788, 62.4568



52.7526, 28.1355, 55.5553



52.7967, 78.8219, 79.6233



18.5542, 18.2050, 21.5355



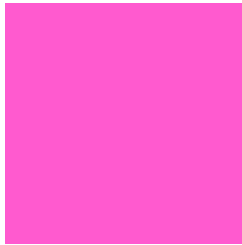
25.9651, 12.8754, 24.2647



2.5757, 1.2727, 2.6131

Previews

White Background



This preview shows how the XYZ color 56.1586, 33.0773, 62.4562 looks on a white background.

Color Contrast Check

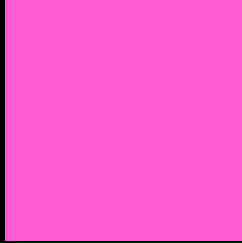
Large Text (above 18pt) WCAG AA × Fail

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 56.1586, 33.0773, 62.4562 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 56.1586, 33.0773, 62.4562

Background



This preview shows how black text looks on a background with the XYZ color 56.1586, 33.0773, 62.4562.



This preview shows how white text looks on a background with the XYZ color 56.1586, 33.0773,

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

56.1586, 33.0773, 62.4562

Protanopia

36.5115, 33.6473, 99.1780

Deuteranopia

33.8637, 33.2032, 57.4474



Tritanopia

47.7141, 32.9649, 21.9372

Trichromacy



Original Color

56.1586, 33.0773, 62.4562



Protanomaly

39.1411, 30.2453, 84.6639



Deuteranomaly

39.2643, 30.8737, 59.1481



Tritanomaly

50.1434, 32.6941, 33.3735

Monochromacy



Original Color

56.1586, 33.0773, 62.4562



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

36.7607, 29.9295, 43.3746

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.1586, 33.0773, 62.4562 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, 90, 207)` looks like.

```
.text, #text, p{  
    color:rgb(255, 90, 207)  
}
```

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, 90, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 90, 207) }
```

Border

The CSS property to change the border of an element to XYZ 56.1586, 33.0773, 62.4562 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, 90, 207) }
```


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

```
.border{ border-color:rgb(255, 90, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 90, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 90, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 90, 207);  
box-shadow:4px 4px 4px 4px rgb(255, 90,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 56.1586, 33.0773, 62.4562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 90, 207) }
```

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

```
.background{ background-color: rgb(255, 90,  
207) }
```

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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