

Converting Colors

XYZ(56.5058, 35.7235, 67.5028)

Have a look what the booklet for
XYZ(56.5058, 35.7235, 67.5028)
contains.

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Color

**XYZ(56.5671, 35.7199,
67.5315)**

Conversions

Conversions Part 1

Format	Color
Hex	F96CD6
RGB	249, 108, 214
RGB Percent	98%, 42%, 84%
CMY	0.0235, 0.5764, 0.1608
CMYK	0.00, 0.57, 0.14, 0.02
HSL	315°, 92%, 70%
HSV	315°, 57%, 98%
XYZ	56.5671, 35.7199, 67.5315
YIQ	162.2430, 50.0100, 62.8580

Conversions

Conversions Part 2

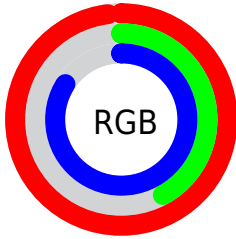
Format	Color
R _Y B	249, 108, 214
Decimal	16346326
CIE Lab	66.31, 65.81, -28.65
CIE LCh	66, 71.780, 336.472
Yxy	35.7199, 0.3539, 0.2235
Android (android.graphics.Color)	4294536406 (0xFFFF96CD6)
YUV	162.2430, 25.5162, 76.0859
Hunter-Lab	59.7661, 64.3549, -25.1572

Details

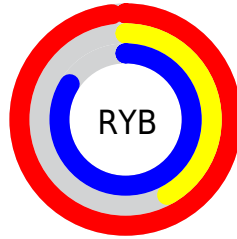
The XYZ color **56.5671, 35.7199, 67.5315** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **45.0197, 72.9240, 37.6925**, and the grayscale version is **34.3256, 36.1132, 39.3273**.

A 20% lighter version of the original color is **72.7451, 55.3903, 101.4650**, and **28.5502, 15.5643, 34.3003** is the 20% darker color. If you saturate the color by 10%, you get **53.5317, 30.8880, 62.6986**, and if you desaturate by 10%, it is **60.3845, 42.0665, 72.7735**.

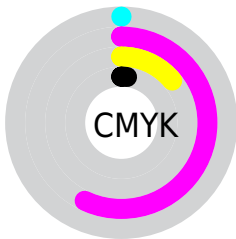
Distribution



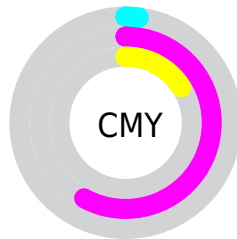
- Red (98%)
- Green (42%)
- Blue (84%)



- Red (98%)
- Yellow (42%)
- Blue (84%)



- Cyan (0%)
- Magenta (57%)
- Yellow (14%)
- Black (2%)



- Cyan (2%)
- Magenta (58%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.5671, 35.7199, 67.5315 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 56.5671, 35.7199, 67.5315 by changing the saturation by 10% instead.

56.5671, 35.7199,
67.5315

56.5671, 35.7199,
67.5315

401.8656,
327.7346, 470.3872

40.8966, 24.2179,
49.0524

98.9683, 68.5995,
117.3295

28.4256, 15.4954,
34.2951

126.4296, 90.7460,
149.4855

18.7888, 9.1678,
22.8412

158.5519,
117.2094, 187.0376

11.6209, 4.8508,
14.2721

195.7006,
148.3742, 230.4042

6.5564, 2.1600,
8.1693

238.2409,
184.6247, 280.0039

3.2301, 0.6980,
4.1141

286.5383,

1.2766, 0.0000,

226.3453, 336.2553

1.6882

340.9581,
273.9205, 399.5769

■ 0.1656, 0.0000,
0.3526

■ 0.0000, 0.0000,
0.0000

■ 56.5671, 35.7199,
67.5315

■ 56.5671, 35.7199,
67.5315

■ 53.5317, 30.8880,
62.6986

■ 60.3845, 42.0665,
72.7735

■ 51.2086, 27.4341,
58.2491

■ 65.0386, 50.0389,
78.4435

■ 49.5218, 25.2056,
54.1561

■ 70.5834, 59.7435,
84.5614

■ 48.3738, 24.0085,
50.3857

■ 77.0670, 71.2763,
91.1447

48.0571, 23.7359,
49.1683

84.5342, 84.7262,
98.2099

92.2537, 98.6305,
105.5147

92.8773, 98.8799,
108.7983

Harmonies

Analogous

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



47.7328, 35.7199, 108.2761



56.5671, 35.7199, 67.5315



58.8197, 35.7199, 32.6129

Triad

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



56.5671, 35.7199, 67.5315



31.6806, 35.7199, 4.7860



19.9289, 35.7199, 85.5810

Complementary

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



56.5671, 35.7199, 67.5315



45.0197, 72.9240, 37.6925

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.



17.3149, 35.7199, 45.9314



56.5671, 35.7199, 67.5315



23.1151, 35.7199, 8.1200

Square

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



56.5671, 35.7199, 67.5315



42.8598, 35.7199, 5.9967



18.3445, 35.7199, 19.7695



26.3705, 35.7199, 121.9811

Rectangle

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



56.5671, 35.7199, 67.5315



55.9408, 35.7199, 18.0708



18.3445, 35.7199, 19.7695



18.6429, 35.7199, 71.5786

Sweetspot

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



56.5683, 35.7216, 67.5322



81.0615, 74.7183, 95.9278



33.4308, 23.2207, 92.3434



17.0400, 15.4379, 20.2255



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.



56.5683, 35.7216, 67.5322



56.1052, 31.9856, 65.4744



49.5883, 32.9296, 30.7760



17.7981, 17.4466, 20.7926



25.7837, 12.7292, 26.6330



2.4301, 1.1958, 2.6883

Inverse Universe

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



56.5683, 35.7216, 67.5322



56.1052, 31.9856, 65.4744



51.8696, 75.6639, 73.7638



17.7981, 17.4466, 20.7926



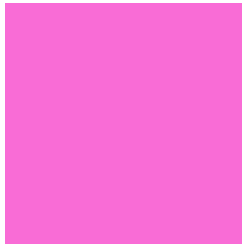
25.7837, 12.7292, 26.6330



2.4301, 1.1958, 2.6883

Previews

White Background



This preview shows how the XYZ color 56.5671, 35.7199, 67.5315 looks on a white background.

Color Contrast Check

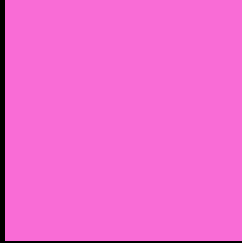
Large Text (above 18pt) WCAG AA × Fail

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 56.5671, 35.7199, 67.5315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

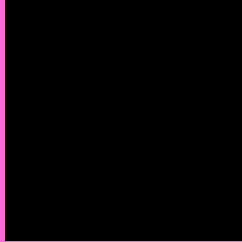
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.5671, 35.7199, 67.5315

Background



This preview shows how black text looks on a background with the XYZ color 56.5671, 35.7199, 67.5315.



This preview shows how white text looks on a background with the XYZ color 56.5671, 35.7199,

67.5315.

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

56.5671, 35.7199, 67.5315

Protanopia

38.7204, 36.0451, 98.6825

Deuteranopia

36.8651, 36.1225, 63.4219



Tritanopia

48.3089, 35.6571, 27.6289

Trichromacy



Original Color

56.5671, 35.7199, 67.5315



Protanomaly

41.7527, 33.6461, 85.9551



Deuteranomaly

41.8730, 34.1784, 64.7118



Tritanomaly

50.7255, 35.3464, 39.2710

Monochromacy



Original Color

56.5671, 35.7199, 67.5315



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

40.2616, 34.1515, 48.1859

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.5671, 35.7199, 67.5315 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(249, 108, 214)` looks like.

```
.text, #text, p{  
    color:rgb(249, 108, 214)  
}
```

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(249, 108, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 108, 214) }
```

Border

The CSS property to change the border of an element to XYZ 56.5671, 35.7199, 67.5315 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(249, 108, 214) }
```


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

```
.border{ border-color:rgb(249, 108, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 108, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 108, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 108, 214);  
box-shadow:4px 4px 4px 4px rgb(249, 108,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 56.5671, 35.7199, 67.5315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 108, 214) }
```

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

```
.background{ background-color: rgb(249,  
108, 214) }
```

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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