

Converting Colors

XYZ(56.6499, 35.0680, 82.8433)

Have a look what the booklet for
XYZ(56.6499, 35.0680, 82.8433)
contains.

XYZ(56.5700, 35.0650, 83.1435)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(56.5700, 35.0650,
83.1435)**

Conversions

Conversions Part 1

Format	Color
Hex	F16AEC
RGB	241, 106, 236
RGB Percent	95%, 42%, 93%
CMY	0.0549, 0.5843, 0.0745
CMYK	0.00, 0.56, 0.02, 0.05
HSL	302°, 83%, 68%
HSV	302°, 56%, 95%
XYZ	56.5700, 35.0650, 83.1435
YIQ	161.1850, 38.7300, 69.0500

Conversions

Conversions Part 2

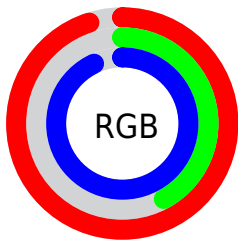
Format	Color
R _{YB}	241, 106, 236
Decimal	15821548
CIE _{Lab}	65.80, 68.00, -41.77
CIE _{LCh}	66, 79.806, 328.439
Yxy	35.0650, 0.3237, 0.2006
Android (android.graphics.Color)	4294011628 (0xFFFF16AEC)
YUV	161.1850, 36.8838, 69.9978
Hunter-Lab	59.2157, 66.8973, -41.7968

Details

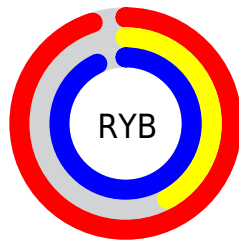
The XYZ color **56.5700, 35.0650, 83.1435** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **40.2700, 67.1239, 25.8748**, and the grayscale version is **33.7850, 35.5445, 38.7079**.

A 20% lighter version of the original color is **72.3872, 54.6744, 101.3457**, and **28.4680, 15.1171, 44.5975** is the 20% darker color. If you saturate the color by 10%, you get **54.2973, 30.7259, 81.7478**, and if you desaturate by 10%, it is **59.5434, 40.8029, 84.7766**.

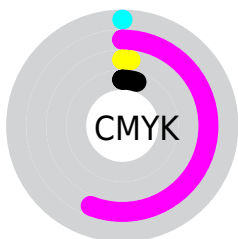
Distribution



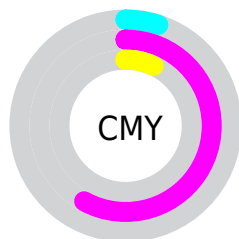
- Red (95%)
- Green (42%)
- Blue (93%)



- Red (95%)
- Yellow (42%)
- Blue (93%)



- Cyan (0%)
- Magenta (56%)
- Yellow (2%)
- Black (5%)





- Cyan (5%)
- Magenta (58%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.5700, 35.0650, 83.1435 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 56.5700, 35.0650, 83.1435 by changing the saturation by 10% instead.


 56.5700, 35.0650,
83.1435

 56.5700, 35.0650,
83.1435

401.8764,
324.8551, 525.4482


 40.8989, 23.7129,
61.7672


 98.9725, 67.5865,
139.6275


 28.4274, 15.1208,
44.4101


 126.4346, 89.5246,
175.5722

 18.7902, 8.9042,
30.6535


 158.5577,
115.7603, 217.2103

 11.6219, 4.6788,
20.0789

 195.7072,
146.6779, 264.9601

 6.5571, 2.0600,
12.2677

238.2485,
182.6618, 319.2403

 3.2306, 0.6420,
6.8015

286.5469,

 1.2768, 0.0000,

224.0964, 380.4693

3.2617

340.9677,
271.3660, 449.0658

■ 0.1658, 0.0000,
1.2298

■ 0.0000, 0.0000,
0.0032

■ 56.5700, 35.0650,
83.1435

■ 56.5700, 35.0650,
83.1435

■ 54.2973, 30.7259,
81.7478

■ 59.5434, 40.8029,
84.7766

■ 52.6616, 27.6605,
80.5674


■ 63.2671, 48.0410,
86.6626


■ 51.5939, 25.7300,
79.5794


■ 67.7903, 56.8771,
88.8184

■ 51.0070, 24.7602,
78.7549


■ 73.1569, 67.3992,
91.2585


 50.8521, 24.5314,
78.4536

 79.4079, 79.6889,
93.9966

 86.5814, 93.8226,
97.0455

 88.1008, 96.6469,
98.2128

 88.2354, 96.7007,
98.9218

 88.3707, 96.7549,
99.6343

Harmonies

Analogous

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



45.3091, 35.0650, 128.2341



56.5700, 35.0650, 83.1435



61.4556, 35.0650, 39.9730

Triad

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



56.5700, 35.0650, 83.1435



33.9486, 35.0650, 3.1285



17.1261, 35.0650, 78.1101

Complementary

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



56.5700, 35.0650, 83.1435



40.2700, 67.1239, 25.8748

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.



15.4381, 35.0650, 36.4411



56.5700, 35.0650, 83.1435



23.6708, 35.0650, 4.8421

Square

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



56.5700, 35.0650, 83.1435



46.6323, 35.0650, 5.3017



17.5247, 35.0650, 13.3113



22.8308, 35.0650, 124.3144

Rectangle

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



56.5700, 35.0650, 83.1435



59.7375, 35.0650, 21.1299



17.5247, 35.0650, 13.3113



16.1390, 35.0650, 62.5678

Sweetspot

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



56.5712, 35.0666, 83.1442



82.4886, 75.2892, 103.4426



27.5257, 20.0079, 85.6314



17.3803, 15.5740, 22.0171



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.



56.5712, 35.0666, 83.1442



61.4696, 34.4430, 92.7619



48.5927, 31.8752, 41.1296



16.4275, 16.0207, 19.8074



27.5872, 13.3073, 42.6043



2.3028, 1.1102, 3.5856

Inverse Universe

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



56.5712, 35.0666, 83.1442



61.4696, 34.4430, 92.7619



45.4366, 69.1906, 53.0818



16.4275, 16.0207, 19.8074



27.5872, 13.3073, 42.6043



2.3028, 1.1102, 3.5856

Previews

White Background



This preview shows how the XYZ color 56.5700, 35.0650, 83.1435 looks on a white background.

Color Contrast Check

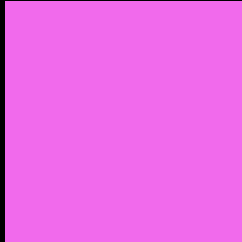
Large Text (above 18pt) WCAG AA × Fail

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 56.5700, 35.0650, 83.1435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

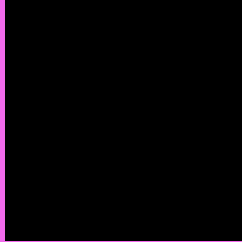
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.5700, 35.0650, 83.1435

Background



This preview shows how black text looks on a background with the XYZ color 56.5700, 35.0650, 83.1435.

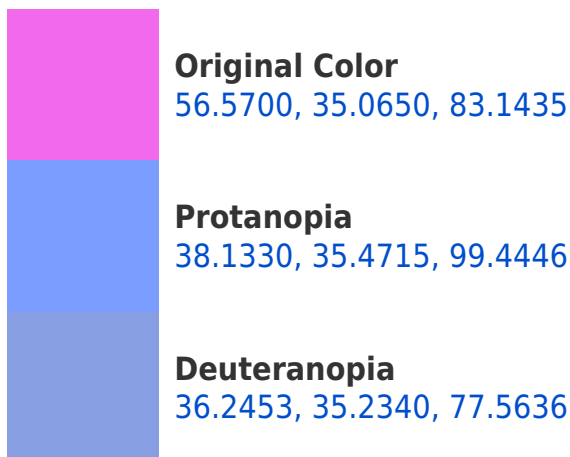


This preview shows how white text looks on a background with the XYZ color 56.5700, 35.0650,

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





Tritanopia

45.5571, 34.9787, 29.5497

Trichromacy



Original Color

56.5700, 35.0650, 83.1435



Protanomaly

41.5488, 32.9536, 92.9778



Deuteranomaly

40.9711, 33.1771, 79.1073



Tritanomaly

48.7277, 34.5461, 45.1741

Monochromacy



Original Color

56.5700, 35.0650, 83.1435



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

39.8372, 33.6277, 51.9681

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.5700, 35.0650, 83.1435 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(241, 106, 236)` looks like.

```
.text, #text, p{  
    color:rgb(241, 106, 236)  
}
```

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(241, 106, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 106, 236) }
```

Border

The CSS property to change the border of an element to XYZ 56.5700, 35.0650, 83.1435 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(241, 106, 236) }
```


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

```
.border{ border-color:rgb(241, 106, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 106, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 106, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 106, 236);  
box-shadow:4px 4px 4px 4px rgb(241, 106,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 56.5700, 35.0650, 83.1435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 106, 236) }
```

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

```
.background{ background-color: rgb(241,  
106, 236) }
```

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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