

Converting Colors

XYZ(56.0470, 36.7759, 85.5429)

Have a look what the booklet for
XYZ(56.0470, 36.7759, 85.5429)
contains.

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Color

**XYZ(55.9901, 36.6813,
85.7905)**

Conversions

Conversions Part 1

Format	Color
Hex	EA76EF
RGB	234, 118, 239
RGB Percent	92%, 46%, 94%
CMY	0.0823, 0.5372, 0.0627
CMYK	0.02, 0.51, 0.00, 0.06
HSL	298°, 79%, 70%
HSV	298°, 51%, 94%
XYZ	55.9901, 36.6813, 85.7905
YIQ	166.4780, 30.2950, 62.2230

Conversions

Conversions Part 2

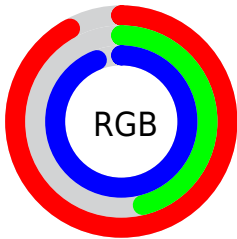
Format	Color
R _Y B	234, 118, 239
Decimal	15365871
CIE Lab	67.04, 61.22, -41.56
CIE LCh	67, 73.994, 325.832
Yxy	36.6813, 0.3137, 0.2055
Android (android.graphics.Color)	4293555951 (0xFFEA76EF)
YUV	166.4780, 35.7533, 59.2168
Hunter-Lab	60.5651, 59.0275, -41.5888

Details

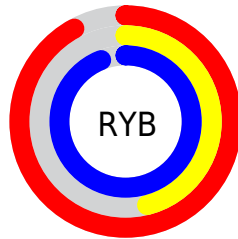
The XYZ color **55.9901, 36.6813, 85.7905** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **42.3061, 67.2528, 27.8926**, and the grayscale version is **36.3001, 38.1905, 41.5895**.

A 20% lighter version of the original color is **74.4261, 58.7521, 102.0254**, and **28.1744, 16.0943, 46.4213** is the 20% darker color. If you saturate the color by 10%, you get **53.2011, 31.5823, 84.9538**, and if you desaturate by 10%, it is **59.4964, 43.2103, 86.8664**.

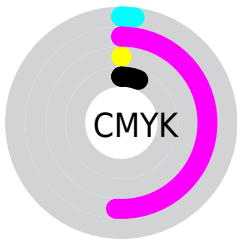
Distribution



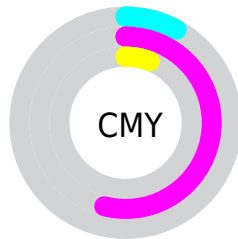
- Red (92%)
- Green (46%)
- Blue (94%)



- Red (92%)
- Yellow (46%)
- Blue (94%)



- Cyan (2%)
- Magenta (51%)
- Yellow (0%)
- Black (6%)





- Cyan (8%)
- Magenta (54%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.9901, 36.6813, 85.7905 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 55.9901, 36.6813, 85.7905 by changing the saturation by 10% instead.


 55.9901, 36.6813,
85.7905


 55.9901, 36.6813,
85.7905


399.7298,
331.9287, 534.4528


 40.4320, 24.9608,
63.9408


 98.1300, 70.0824,
143.3611

 28.0612, 16.0479,
46.1569

 125.4425, 92.5317,
179.9190

 18.5125, 9.5580,
32.0201


 157.4037,
119.3262, 222.2169

 11.4205, 5.1069,
21.1119

194.3792,
150.8501, 270.6731

 6.4198, 2.3101,
13.0138

236.7342,
187.4880, 325.7063

 3.1450, 0.7791,
7.3072

284.8340,

 1.2309, 0.0000,

229.6241, 387.7349

3.5736

339.0441,
277.6428, 457.1776

■ 0.1306, 0.0000,
1.3945

■ 0.0000, 0.0000,
0.1374

■ 55.9901, 36.6813,
85.7905

■ 55.9901, 36.6813,
85.7905

■ 53.2011, 31.5823,
84.9538

■ 59.4964, 43.2103,
86.8664

■ 51.0705, 27.7984,
84.3357


■ 63.7653, 51.2627,
88.1957


■ 49.5367, 25.2054,
83.9161


■ 68.8429, 60.9300,
89.7941


■ 48.5246, 23.6530,
83.6698


■ 74.7706, 72.2946,
91.6753


 47.9335, 22.9108,
83.5577

 81.5869, 85.4339,
93.8521

 87.2502, 96.2644,
95.6441

 87.5863, 96.4376,
95.6599

 87.9241, 96.6118,
95.6757

 88.2638, 96.7869,
95.6916

Harmonies

Analogous

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



45.1608, 36.6813, 125.6279



55.9901, 36.6813, 85.7905



61.1826, 36.6813, 44.6113

Triad

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



55.9901, 36.6813, 85.7905



36.4596, 36.6813, 4.5433



18.7990, 36.6813, 73.4569

Complementary

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



55.9901, 36.6813, 85.7905



42.3061, 67.2528, 27.8926

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.



17.4396, 36.6813, 35.6062



55.9901, 36.6813, 85.7905



26.2657, 36.6813, 6.1095

Square

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



55.9901, 36.6813, 85.7905



48.4728, 36.6813, 7.4892



19.8594, 36.6813, 14.2790



24.0760, 36.6813, 116.2120

Rectangle

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



55.9901, 36.6813, 85.7905



60.0790, 36.6813, 25.3149



19.8594, 36.6813, 14.2790



17.9249, 36.6813, 59.3291

Sweetspot

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



55.9914, 36.6829, 85.7913



83.4594, 77.6784, 105.2024



30.2667, 24.5132, 84.7981



17.5551, 16.0348, 22.4197



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.



55.9914, 36.6829, 85.7913



61.4696, 36.2906, 98.3727



50.7857, 34.7929, 49.6909



16.3859, 15.9962, 19.9455



26.5176, 12.6757, 46.1769



2.2259, 1.0648, 3.8424

Inverse Universe

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



45.6513, 32.7392, 22.6536



48.3397, 31.3072, 17.0972



45.8287, 68.5813, 50.0805



15.7993, 15.7694, 16.4992



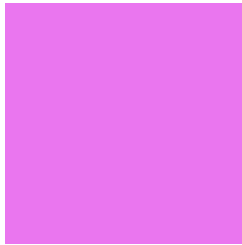
19.7130, 10.1576, 1.1395



1.6492, 0.8487, 0.1435

Previews

White Background



This preview shows how the XYZ color 55.9901, 36.6813, 85.7905 looks on a white background.

Color Contrast Check

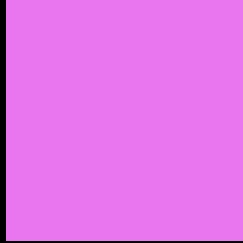
Large Text (above 18pt) WCAG AA × Fail

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 55.9901, 36.6813, 85.7905 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

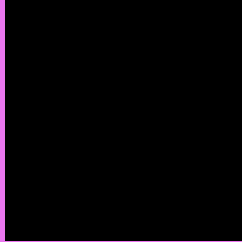
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.9901, 36.6813, 85.7905

Background



This preview shows how black text looks on a background with the XYZ color 55.9901, 36.6813, 85.7905.



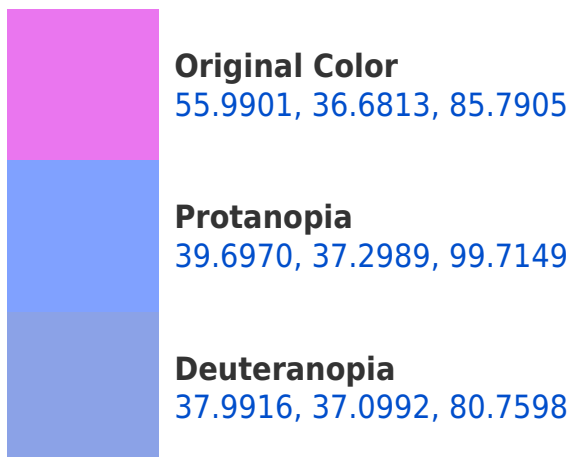
This preview shows how white text looks on a background with the XYZ color 55.9901, 36.6813,

85.7905.

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

45.3145, 36.6462, 33.5392

Trichromacy



Original Color

55.9901, 36.6813, 85.7905



Protanomaly

43.1606, 35.3058, 94.1624



Deuteranomaly

42.5857, 35.4970, 82.4490



Tritanomaly

48.3733, 36.2108, 48.6958

Monochromacy



Original Color

55.9901, 36.6813, 85.7905



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

41.8589, 36.4215, 55.2759

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.9901, 36.6813, 85.7905 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(234, 118, 239)` looks like.

```
.text, #text, p{  
    color:rgb(234, 118, 239)  
}
```

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(234, 118, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 118, 239) }
```

Border

The CSS property to change the border of an element to XYZ 55.9901, 36.6813, 85.7905 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(234, 118, 239) }
```


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

```
.border{ border-color:rgb(234, 118, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 118, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 118, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 118, 239);  
box-shadow:4px 4px 4px 4px rgb(234, 118,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 55.9901, 36.6813, 85.7905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 118, 239) }
```

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

```
.background{ background-color: rgb(234,  
118, 239) }
```

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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