

Converting Colors

XYZ(56.1268, 32.6717, 97.9558)

Have a look what the booklet for
XYZ(56.1268, 32.6717, 97.9558)
contains.

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Color

**XYZ(56.2253, 32.7109,
97.9582)**

Conversions

Conversions Part 1

Format	Color
Hex	EB5DFF
RGB	235, 93, 255
RGB Percent	92%, 36%, 100%
CMY	0.0784, 0.6353, 0.0000
CMYK	0.08, 0.64, 0.00, 0.00
HSL	293°, 100%, 68%
HSV	293°, 64%, 100%
XYZ	56.2253, 32.7109, 97.9582
YIQ	153.9260, 32.6300, 80.4860

Conversions

Conversions Part 2

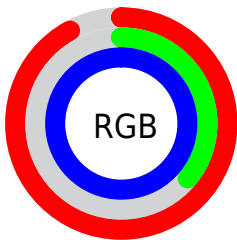
Format	Color
R _Y B	235, 93, 255
Decimal	15425023
CIE Lab	63.93, 75.22, -55.27
CIE LCh	64, 93.342, 323.692
Yxy	32.7109, 0.3008, 0.1750
Android (android.graphics.Color)	4293615103 (0xFFEB5DFF)
YUV	153.9260, 49.8295, 71.1019
Hunter-Lab	57.1934, 75.3899, -61.5137

Details

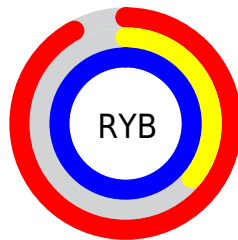
The XYZ color **56.2253, 32.7109, 97.9582** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **44.5466, 75.8214, 22.6445**, and the grayscale version is **30.4628, 32.0492, 34.9016**.

A 20% lighter version of the original color is **70.3566, 50.6132, 100.6689**, and **28.2694, 13.8351, 54.0038** is the 20% darker color. If you saturate the color by 10%, you get **53.3187, 28.4261, 97.2843**, and if you desaturate by 10%, it is **59.8985, 38.4995, 98.8819**.

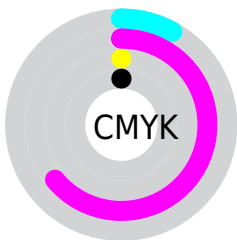
Distribution



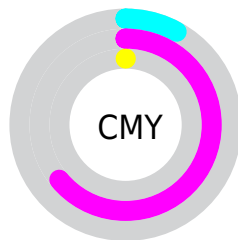
- Red (92%)
- Green (36%)
- Blue (100%)



- Red (92%)
- Yellow (36%)
- Blue (100%)



- Cyan (8%)
- Magenta (64%)
- Yellow (0%)
- Black (0%)





- Cyan (8%)
- Magenta (64%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.2253, 32.7109, 97.9582 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 56.2253, 32.7109, 97.9582 by changing the saturation by 10% instead.

 56.2253, 32.7109,
97.9582

 56.2253, 32.7109,
97.9582

400.6013,
314.3450, 574.8171

 40.6213, 21.9051,
73.9891


 98.4718, 63.9239,
160.3758


 28.2097, 13.7872,
54.2884

 125.8450, 85.0999,
199.6613

 18.6250, 7.9728,
38.4375


 157.8720,
110.5013, 244.8894

 11.5020, 4.0775,
26.0180

 194.9182,
140.5127, 296.4786

 6.4754, 1.7170,
16.6112

237.3488,
175.5184, 354.8474

 3.1796, 0.4346,
9.7987

285.5293,

 1.2494, 0.0000,

215.9027, 420.4144

5.1618

339.8250,
262.0501, 493.5981

■ 0.1449, 0.0000,
2.2821

■ 0.0000, 0.0000,
0.7212

■ 56.2253, 32.7109,
97.9582

■ 56.2253, 32.7109,
97.9582

■ 53.3187, 28.4261,
97.2843

■ 59.8985, 38.4995,
98.8819

■ 51.0976, 25.4861,
96.8339

■ 64.4016, 45.9216,
100.0772

■ 49.4685, 23.7031,
96.5756

■ 69.7954, 55.0976,
101.5640

■ 48.6420, 22.9908,
96.4817

■ 76.1340, 66.1353,
103.3604

83.4669, 79.1338,
105.4829

91.8403, 94.1853,
107.9468

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.



42.3907, 32.7109, 151.4992



56.2253, 32.7109, 97.9582



63.5805, 32.7109, 44.1755

Triad

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



56.2253, 32.7109, 97.9582



33.9509, 32.7109, 1.2425



13.2160, 32.7109, 73.3312

Complementary

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



56.2253, 32.7109, 97.9582



44.5466, 75.8214, 22.6445

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.



12.1296, 32.7109, 28.2414



56.2253, 32.7109, 97.9582



22.0017, 32.7109, 1.9503

Square

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



56.2253, 32.7109, 97.9582



48.5836, 32.7109, 3.3364



14.8488, 32.7109, 7.6517



18.3992, 32.7109, 131.5666

Rectangle

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



56.2253, 32.7109, 97.9582



62.6744, 32.7109, 21.0854



14.8488, 32.7109, 7.6517



12.4339, 32.7109, 55.6410

Sweetspot

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



56.2265, 32.7123, 97.9584



79.3276, 71.7711, 104.2799



28.6506, 21.7191, 97.2899



16.5423, 14.5897, 22.1942



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.



56.2265, 32.7123, 97.9584



52.7088, 27.5804, 97.1532



55.0735, 33.0572, 55.4655



18.5590, 18.1799, 22.7809



25.5035, 12.0580, 50.4178



2.5425, 1.2046, 4.9118

Inverse Universe

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



48.1358, 30.2821, 18.9320



44.5641, 25.2767, 11.1504



45.9755, 76.1277, 42.1505



18.1006, 18.0235, 19.1469



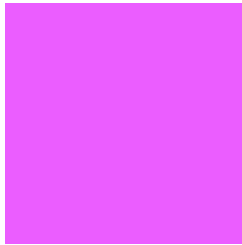
21.7096, 11.1731, 1.8554



2.1412, 1.0989, 0.3252

Previews

White Background



This preview shows how the XYZ color 56.2253, 32.7109, 97.9582 looks on a white background.

Color Contrast Check

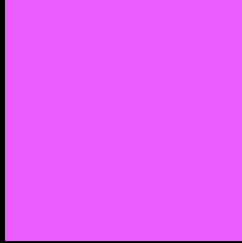
Large Text (above 18pt) WCAG AA × Fail

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 56.2253, 32.7109, 97.9582 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

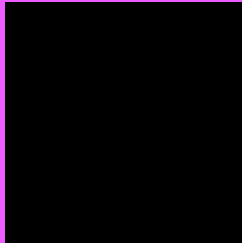
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.2253, 32.7109, 97.9582

Background



This preview shows how black text looks on a background with the XYZ color 56.2253, 32.7109, 97.9582.



This preview shows how white text looks on a background with the XYZ color 56.2253, 32.7109,

97.9582.

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

56.2253, 32.7109, 97.9582

Protanopia

35.9603, 33.1212, 99.1055

Deuteranopia

33.9943, 33.0385, 90.1733



Tritanopia

41.7497, 32.4601, 27.7319

Trichromacy



Original Color

56.2253, 32.7109, 97.9582



Protanomaly

40.0709, 30.6207, 98.4062



Deuteranomaly

38.3314, 30.0521, 92.5873



Tritanomaly

45.4203, 31.5643, 46.8786

Monochromacy



Original Color

56.2253, 32.7109, 97.9582



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

37.1837, 30.3314, 53.1850

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.2253, 32.7109, 97.9582 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(235, 93, 255)` looks like.

```
.text, #text, p{  
    color:rgb(235, 93, 255)  
}
```

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(235, 93, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 93, 255) }
```

Border

The CSS property to change the border of an element to XYZ 56.2253, 32.7109, 97.9582 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(235, 93, 255) }
```


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

```
.border{ border-color:rgb(235, 93, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 93, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 93, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 93, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 93,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 56.2253, 32.7109, 97.9582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 93, 255) }
```

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

```
.background{ background-color: rgb(235, 93,  
255) }
```

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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