

Converting Colors

XYZ(56.5719, 33.7658, 98.1435)

Have a look what the booklet for
XYZ(56.5719, 33.7658, 98.1435)
contains.

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Color

**XYZ(56.4435, 33.6361,
98.1253)**

Conversions

Conversions Part 1

Format	Color
Hex	EA63FF
RGB	234, 99, 255
RGB Percent	92%, 39%, 100%
CMY	0.0823, 0.6117, 0.0000
CMYK	0.08, 0.61, 0.00, 0.00
HSL	292°, 100%, 69%
HSV	292°, 61%, 100%
XYZ	56.4435, 33.6361, 98.1253
YIQ	157.1490, 30.3840, 77.1360

Conversions

Conversions Part 2

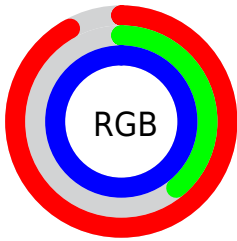
Format	Color
R _{YB}	234, 99, 255
Decimal	15361023
CIE _{Lab}	64.67, 72.54, -54.09
CIE _{LCh}	65, 90.490, 323.289
Yxy	33.6361, 0.2999, 0.1787
Android (android.graphics.Color)	4293551103 (0xFFEA63FF)
YUV	157.1490, 48.2405, 67.3983
Hunter-Lab	57.9966, 72.2257, -59.7159

Details

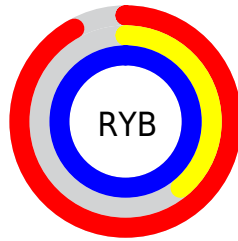
The XYZ color **56.4435, 33.6361, 98.1253** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **45.7587, 76.4143, 24.1435**, and the grayscale version is **31.8965, 33.5576, 36.5442**.

A 20% lighter version of the original color is **71.3470, 52.5939, 100.9990**, and **28.4443, 14.3352, 54.6939** is the 20% darker color. If you saturate the color by 10%, you get **53.2821, 28.9692, 97.3911**, and if you desaturate by 10%, it is **60.3915, 39.8418, 99.1150**.

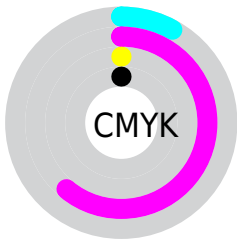
Distribution



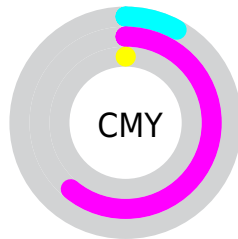
- Red (92%)
- Green (39%)
- Blue (100%)



- Red (92%)
- Yellow (39%)
- Blue (100%)



- Cyan (8%)
- Magenta (61%)
- Yellow (0%)
- Black (0%)





- Cyan (8%)
- Magenta (61%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.4435, 33.6361, 98.1253 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 56.4435, 33.6361, 98.1253 by changing the saturation by 10% instead.


 56.4435, 33.6361,
98.1253


 56.4435, 33.6361,
98.1253


401.4087,
318.5064, 575.3606

 40.7970, 22.6142,
74.1277

 98.7888, 65.3674,
160.6079


 28.3475, 14.3089,
54.4011


 126.2183, 86.8455,
199.9299

 18.7295, 8.3358,
38.5271


 158.3062,
112.5779, 245.1971

 11.5779, 4.3106,
26.0870

 195.4178,
142.9488, 296.8281

 6.5271, 1.8488,
16.6624

237.9185,
178.3427, 355.2415

 3.2118, 0.5173,
9.8347

286.1736,

 1.2667, 0.0000,

219.1440, 420.8556

5.1853

340.5486,
265.7371, 494.0891

■ 0.1581, 0.0000,
2.2958

■ 0.0000, 0.0000,
0.7288

■ 56.4435, 33.6361,
98.1253

■ 56.4435, 33.6361,
98.1253

■ 53.2821, 28.9692,
97.3911

■ 60.3915, 39.8418,
99.1150

■ 50.8290, 25.6875,
96.8869

■ 65.1875, 47.7119,
100.3813

■ 48.9956, 23.6134,
96.5832

■ 70.8908, 57.3639,
101.9437

■ 47.7699, 22.5412,
96.4409

■ 77.5544, 68.9034,
103.8199

85.2270, 82.4279,
106.0260

93.9541, 98.0280,
108.5771

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.



42.8885, 33.6361, 149.3309



56.4435, 33.6361, 98.1253



63.7167, 33.6361, 45.6280

Triad

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



56.4435, 33.6361, 98.1253



34.9763, 33.6361, 1.6229



14.0879, 33.6361, 72.7788

Complementary

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



56.4435, 33.6361, 98.1253



45.7587, 76.4143, 24.1435

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.



13.0366, 33.6361, 28.8900



56.4435, 33.6361, 98.1253



23.0824, 33.6361, 2.3868

Square

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



56.4435, 33.6361, 98.1253



49.3313, 33.6361, 4.0112



15.8452, 33.6361, 8.3579



19.2508, 33.6361, 129.0106

Rectangle

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



56.4435, 33.6361, 98.1253



62.9322, 33.6361, 22.5275



15.8452, 33.6361, 8.3579



13.3120, 33.6361, 55.6351

Sweetspot

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



56.4447, 33.6375, 98.1255



79.8783, 72.9770, 104.4837



30.2056, 23.8917, 97.6273



16.6404, 14.8191, 22.2333



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.



56.4447, 33.6375, 98.1255



52.7837, 28.2713, 97.2826



56.1748, 34.3737, 58.5643



18.5380, 18.1691, 22.7799



25.0541, 11.8263, 50.3968



2.5031, 1.1843, 4.9099

Inverse Universe

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



49.0928, 31.5409, 21.2710



45.3751, 26.3043, 13.2536



46.7060, 76.4929, 42.7020



18.1089, 18.0269, 19.1906



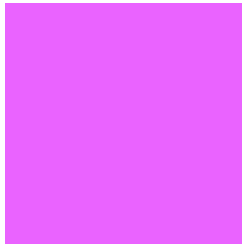
21.7324, 11.1822, 1.9753



2.1451, 1.1004, 0.3458

Previews

White Background



This preview shows how the XYZ color 56.4435, 33.6361, 98.1253 looks on a white background.

Color Contrast Check

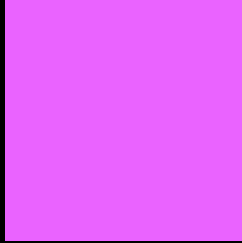
Large Text (above 18pt) WCAG AA × Fail

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 56.4435, 33.6361, 98.1253 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

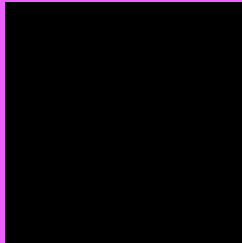
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.4435, 33.6361, 98.1253

Background



This preview shows how black text looks on a background with the XYZ color 56.4435, 33.6361, 98.1253.



This preview shows how white text looks on a background with the XYZ color 56.4435, 33.6361,

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

56.4435, 33.6361, 98.1253

Protanopia

36.6758, 33.9760, 99.2327

Deuteranopia

35.0939, 34.0860, 91.1158



Tritanopia

42.2724, 33.4857, 29.4347

Trichromacy



Original Color

56.4435, 33.6361, 98.1253



Protanomaly

40.6756, 31.5393, 98.5516



Deuteranomaly

39.6133, 31.5158, 93.6178

Tritanomaly

45.9004, 32.6576, 48.1403

Monochromacy



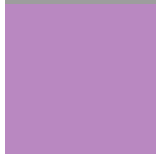
Original Color

56.4435, 33.6361, 98.1253



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

38.4374, 31.7729, 54.5590

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.4435, 33.6361, 98.1253 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, 99, 255)` looks like.

```
.text, #text, p{  
    color:rgb(234, 99, 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(234, 99, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 99, 255) }
```

Border

The CSS property to change the border of an element to XYZ 56.4435, 33.6361, 98.1253 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, 99, 255) }
```


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

```
.border{ border-color:rgb(234, 99, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 99, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 99, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 99, 255);  
box-shadow:4px 4px 4px 4px rgb(234, 99,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 56.4435, 33.6361, 98.1253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 99, 255) }
```

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

```
.background{ background-color: rgb(234, 99,  
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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