

Converting Colors

XYZ(55.7238, 27.0175, 84.2314)

Have a look what the booklet for
XYZ(55.7238, 27.0175, 84.2314)
contains.

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Color

**XYZ(55.7900, 27.0577,
83.9436)**

Conversions

Conversions Part 1

Format	Color
Hex	FC06EF
RGB	252, 6, 239
RGB Percent	99%, 2%, 94%
CMY	0.0118, 0.9763, 0.0627
CMYK	0.00, 0.98, 0.05, 0.01
HSL	303°, 98%, 51%
HSV	303°, 98%, 99%
XYZ	55.7900, 27.0577, 83.9436
YIQ	106.1160, 71.8230, 124.6150

Conversions

Conversions Part 2

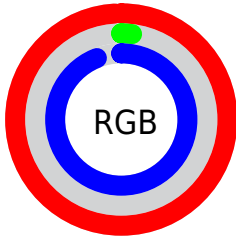
Format	Color
R _Y B	252, 6, 239
Decimal	16516847
CIE Lab	59.03, 95.25, -54.03
CIE LCh	59, 109.504, 330.435
Yxy	27.0577, 0.3345, 0.1622
Android (android.graphics.Color)	4294706927 (0xFFFC06EF)
YUV	106.1160, 65.5118, 127.9403
Hunter-Lab	52.0170, 100.4175, -59.2686

Details

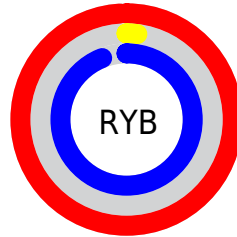
The XYZ color **55.7900, 27.0577, 83.9436** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **35.0045, 69.7079, 12.2283**, and the grayscale version is **13.5516, 14.2573, 15.5262**.

A 20% lighter version of the original color is **64.3416, 38.5832, 98.6639**, and **29.6787, 14.3245, 45.4566** is the 20% darker color. If you saturate the color by 10%, you get **55.6782, 26.9088, 83.6737**, and if you desaturate by 10%, it is **56.4195, 27.9997, 85.1282**.

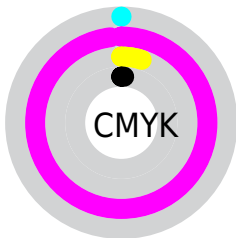
Distribution



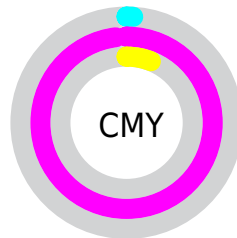
- Red (99%)
- Green (2%)
- Blue (94%)



- Red (99%)
- Yellow (2%)
- Blue (94%)



- Cyan (0%)
- Magenta (98%)
- Yellow (5%)
- Black (1%)





- Cyan (1%)
- Magenta (98%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.7900, 27.0577, 83.9436 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 55.7900, 27.0577, 83.9436 by changing the saturation by 10% instead.


 55.7900, 27.0577,
83.9436


 55.7900, 27.0577,
83.9436

398.9875,
287.9364, 528.1791

 40.2709, 17.6166,
62.4238


 97.8391, 54.9764,
140.7573


 27.9350, 10.6751,
44.9372


 125.0998, 74.2228,
176.8882


 18.4169, 5.8488,
31.0654


 157.0050, 97.5064,
218.7266

 11.3512, 2.7533,
20.3897

 193.9202,
125.2116, 266.6910

 6.3726, 1.0044,
12.4918

 236.2107,
157.7228, 321.1999

 3.1157, 0.0000,
6.9529

284.2418,

 1.2153, 0.0000,

195.4244, 382.6718

3.3547

338.3790,
238.7008, 451.5254

■ 0.1184, 0.0000,
1.2785

■ 0.0000, 0.0000,
0.0440

■ 55.7900, 27.0577,
83.9436

■ 55.7900, 27.0577,
83.9436

■ 55.6782, 26.9088,
83.6737

■ 56.4195, 27.9997,
85.1282

■ 57.5580, 29.9583,
86.4894

■ 59.3133, 33.1482,
88.0634

■ 61.7663, 37.7311,
89.8772

■ 64.9857, 43.8443,
91.9537

■ 69.0318, 51.6087,
94.3130

■ 73.9591, 61.1331,
96.9732

■ 79.8172, 72.5169,
99.9510

■ 86.6523, 85.8523,
103.2617

Harmonies

Analogous

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



41.3509, 27.0577, 152.5087



55.7900, 27.0577, 83.9436



61.6852, 27.0577, 28.8968

Triad

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



55.7900, 27.0577, 83.9436



25.5197, 27.0577, 0.0000



9.1290, 27.0577, 85.9368

Complementary

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



55.7900, 27.0577, 83.9436



35.0045, 69.7079, 12.2283

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.



7.4409, 27.0577, 30.0330



55.7900, 27.0577, 83.9436



14.6240, 27.0577, 0.5143

Square

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



55.7900, 27.0577, 83.9436



40.8812, 27.0577, 0.4562



9.0299, 27.0577, 5.8174



14.8611, 27.0577, 154.2150

Rectangle

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



55.7900, 27.0577, 83.9436



58.7872, 27.0577, 10.2988



9.0299, 27.0577, 5.8174



8.1831, 27.0577, 64.0653

Sweetspot

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



55.7911, 27.0590, 83.9441



75.2010, 61.2989, 99.2104



17.8925, 7.2916, 92.5609



15.6215, 12.2022, 20.9813



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.



55.7911, 27.0590, 83.9441



57.1951, 27.6421, 85.9486



43.4058, 22.1049, 18.7245



17.9511, 17.5078, 21.5981



29.0209, 14.0241, 43.6798



2.6996, 1.3036, 4.1077

Inverse Universe

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



55.7911, 27.0590, 83.9441



57.1951, 27.6421, 85.9486



39.7183, 71.5934, 37.0507



17.9511, 17.5078, 21.5981



29.0209, 14.0241, 43.6798



2.6996, 1.3036, 4.1077

Previews

White Background



This preview shows how the XYZ color 55.7900, 27.0577, 83.9436 looks on a white background.

Color Contrast Check

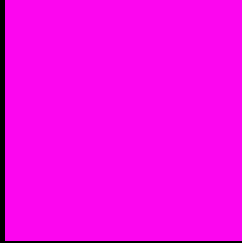
Large Text (above 18pt) WCAG AA ✓ Pass

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 55.7900, 27.0577, 83.9436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

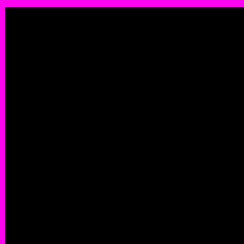
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 55.7900, 27.0577, 83.9436

Background



This preview shows how black text looks on a background with the XYZ color 55.7900, 27.0577, 83.9436.



This preview shows how white text looks on a background with the XYZ color 55.7900, 27.0577,

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

55.7900, 27.0577, 83.9436

Protanopia

31.0289, 27.6165, 98.3029

Deuteranopia

28.4501, 27.6778, 75.0770



Tritanopia

41.5628, 27.1027, 15.0973

Trichromacy



Original Color

55.7900, 27.0577, 83.9436



Protanomaly

32.6940, 20.4327, 91.8433



Deuteranomaly

31.5237, 20.4119, 77.1413



Tritanomaly

44.2707, 24.7343, 31.7190

Monochromacy



Original Color

55.7900, 27.0577, 83.9436



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

22.3210, 14.0843, 32.1140

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.7900, 27.0577, 83.9436 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(252, 6, 239)` looks like.

```
.text, #text, p{  
    color:rgb(252, 6, 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(252, 6, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 6, 239) }
```

Border

The CSS property to change the border of an element to XYZ 55.7900, 27.0577, 83.9436 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(252, 6, 239) }
```


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

```
.border{ border-color:rgb(252, 6, 239) }
```

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

Here you see how a box with a 4 pixel rgb(252, 6, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 6, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 6, 239);  
box-shadow:4px 4px 4px 4px rgb(252, 6,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 55.7900, 27.0577, 83.9436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 6, 239) }
```

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

```
.background{ background-color: rgb(252, 6,  
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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