

Converting Colors

XYZ(56.5328, 27.3780, 82.4583)

Have a look what the booklet for
XYZ(56.5328, 27.3780, 82.4583)
contains.

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Color

**XYZ(56.5261, 27.3744,
82.4253)**

Conversions

Conversions Part 1

Format	Color
Hex	FF00ED
RGB	255, 0, 237
RGB Percent	100%, 0%, 93%
CMY	0.0000, 0.9998, 0.0706
CMYK	0.00, 1.00, 0.07, 0.00
HSL	304°, 100%, 50%
HSV	304°, 100%, 100%
XYZ	56.5261, 27.3744, 82.4253
YIQ	103.2630, 75.9030, 127.7670

Conversions

Conversions Part 2

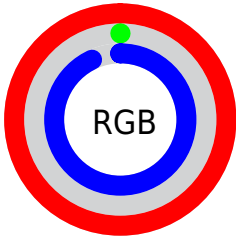
Format	Color
RYB	255, 0, 237
Decimal	16711917
CIELab	59.32, 95.82, -52.42
CIElCh	59, 109.222, 331.321
Yxy	27.3744, 0.3399, 0.1646
Android (android.graphics.Color)	4294901997 (0xFFFF00ED)
YUV	103.2630, 65.9323, 133.0733
Hunter-Lab	52.3206, 101.2869, -56.7805

Details

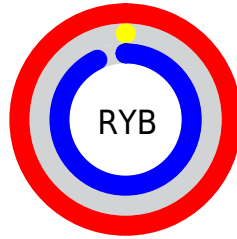
The XYZ color **56.5261, 27.3744, 82.4253** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **35.8701, 71.5641, 12.4970**, and the grayscale version is **12.7858, 13.4516, 14.6488**.

A 20% lighter version of the original color is **64.3416, 38.5832, 98.6639**, and **30.2305, 14.6327, 44.4111** is the 20% darker color. If you saturate the color by 10%, you get **56.5256, 27.3743, 82.4231**, and if you desaturate by 10%, it is **57.1500, 28.1991, 83.9379**.

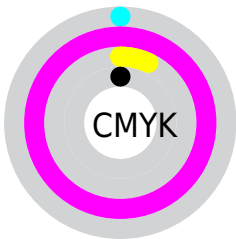
Distribution



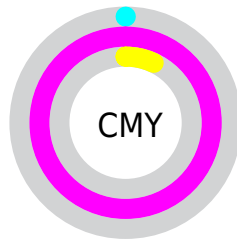
- Red (100%)
- Green (0%)
- Blue (93%)



- Red (100%)
- Yellow (0%)
- Blue (93%)



- Cyan (0%)
- Magenta (100%)
- Yellow (7%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.5261, 27.3744, 82.4253 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 56.5261, 27.3744, 82.4253 by changing the saturation by 10% instead.


 56.5261, 27.3744,
82.4253


 56.5261, 27.3744,
82.4253


401.7141,
289.4654, 522.9899

 40.8635, 17.8546,
61.1783

 98.9087, 55.4841,
138.6123

 28.3997, 10.8457,
43.9376

 126.3595, 74.8428,
174.3894


 18.7691, 5.9631,
30.2846


 158.4704, 98.2498,
215.8469

 11.6066, 2.8227,
19.8008

 195.6068,
126.0897, 263.4034

 6.5467, 1.0399,
12.0677

 238.1340,
158.7469, 317.4774

 3.2240, 0.0000,
6.6667

286.4174,

 1.2733, 0.0000,

196.6056, 378.4874

3.1793

340.8223,
240.0503, 446.8521

■ 0.1631, 0.0000,
1.1869

■ 0.0000, 0.0000,
0.0000

■ 56.5261, 27.3744,
82.4253

■ 56.5261, 27.3744,
82.4253

■ 56.5256, 27.3743,
82.4231

■ 57.1500, 28.1991,
83.9379

■ 58.2435, 29.9588,
85.6198

■ 59.9496, 32.9395,
87.5190

■ 62.3557, 37.3158,
89.6647

■ 65.5350, 43.2342,
92.0812

■ 69.5514, 50.8227,
94.7901

■ 74.4624, 60.1959,
97.8103

■ 80.3201, 71.4583,
101.1595

■ 87.1728, 84.7063,
104.8536

Harmonies

Analogous

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



42.1960, 27.3744, 151.2693



56.5261, 27.3744, 82.4253



62.0915, 27.3744, 28.1054

Triad

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



56.5261, 27.3744, 82.4253



25.4177, 27.3744, 0.0000



9.4151, 27.3744, 88.4854

Complementary

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



56.5261, 27.3744, 82.4253



35.8701, 71.5641, 12.4970

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.



7.6054, 27.3744, 31.5740



56.5261, 27.3744, 82.4253



14.6158, 27.3744, 0.6271

Square

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



56.5261, 27.3744, 82.4253



40.7648, 27.3744, 0.4511



9.1109, 27.3744, 6.3220



15.3415, 27.3744, 156.4484

Rectangle

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



56.5261, 27.3744, 82.4253



58.9488, 27.3744, 9.9711



9.1109, 27.3744, 6.3220



8.4216, 27.3744, 66.3657

Sweetspot

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



56.5266, 27.3755, 82.4258



74.4526, 60.1771, 97.8045



18.2824, 7.3406, 95.0610



15.4688, 11.9868, 20.6533



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.



56.5266, 27.3755, 82.4258



56.5256, 27.3743, 82.4231



44.0837, 22.3983, 16.9024



18.7341, 18.2769, 22.4826



29.5594, 14.3130, 43.1916



2.8940, 1.4000, 4.2893

Inverse Universe

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



56.5266, 27.3755, 82.4258



56.5256, 27.3743, 82.4231



40.8345, 73.5499, 38.6388



18.7341, 18.2769, 22.4826



29.5594, 14.3130, 43.1916



2.8940, 1.4000, 4.2893

Previews

White Background



This preview shows how the XYZ color 56.5261, 27.3744, 82.4253 looks on a white background.

Color Contrast Check

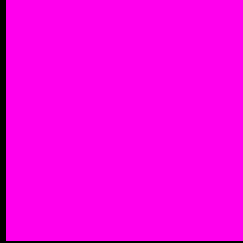
Large Text (above 18pt) WCAG AA ✓ Pass

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 56.5261, 27.3744, 82.4253 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 56.5261, 27.3744, 82.4253

Background



This preview shows how black text looks on a background with the XYZ color 56.5261, 27.3744, 82.4253.



This preview shows how white text looks on a background with the XYZ color 56.5261, 27.3744,

82.4253.

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

56.5261, 27.3744, 82.4253

Protanopia

31.4526, 28.0509, 98.3644

Deuteranopia

28.8861, 28.1578, 73.7246



Tritanopia

42.4421, 27.4303, 14.8620

Trichromacy



Original Color

56.5261, 27.3744, 82.4253



Protanomaly

32.9101, 20.3116, 90.9929



Deuteranomaly

31.9313, 20.5248, 75.6775



Tritanomaly

44.9948, 24.8907, 30.8667

Monochromacy



Original Color

56.5261, 27.3744, 82.4253



Achromatopsia

12.8919, 13.5633, 14.7705



Achromatomaly

21.7163, 13.4325, 31.1539

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.5261, 27.3744, 82.4253 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(255, 0, 237)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 237)  
}
```

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(255, 0, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 237) }
```

Border

The CSS property to change the border of an element to XYZ 56.5261, 27.3744, 82.4253 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(255, 0, 237) }
```


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

```
.border{ border-color:rgb(255, 0, 237) }
```

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

Here you see how a box with a 4 pixel rgb(255, 0, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 237);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 56.5261, 27.3744, 82.4253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 237) }
```

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

```
.background{ background-color: rgb(255, 0,  
237) }
```

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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