

Converting Colors

XYZ(56.2360, 27.8955, 78.9336)

Have a look what the booklet for
XYZ(56.2360, 27.8955, 78.9336)
contains.

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Color

**XYZ(56.1974, 27.8701,
78.7615)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1BE8
RGB	255, 27, 232
RGB Percent	100%, 11%, 91%
CMY	0.0000, 0.8940, 0.0902
CMYK	0.00, 0.89, 0.09, 0.00
HSL	306°, 100%, 55%
HSV	306°, 89%, 100%
XYZ	56.1974, 27.8701, 78.7615
YIQ	118.5420, 70.0830, 112.0910

Conversions

Conversions Part 2

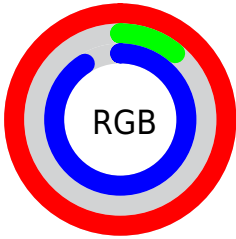
Format	Color
R _Y B	255, 27, 232
Decimal	16718824
CIE _{Lab}	59.77, 93.06, -48.89
CIE _{LCh}	60, 105.122, 332.282
Y _{xy}	27.8701, 0.3451, 0.1712
Android (android.graphics.Color)	4294908904 (0xFFFF1BE8)
YUV	118.5420, 55.9348, 119.6737
Hunter-Lab	52.7921, 97.6276, -51.5013

Details

The XYZ color **56.1974, 27.8701, 78.7615** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **36.7890, 71.9839, 14.9758**, and the grayscale version is **17.2088, 18.1050, 19.7164**.

A 20% lighter version of the original color is **64.8659, 39.6319, 98.8386**, and **29.8288, 14.4720, 42.2955** is the 20% darker color. If you saturate the color by 10%, you get **55.4593, 26.9742, 76.7259**, and if you desaturate by 10%, it is **57.4254, 29.7367, 80.9874**.

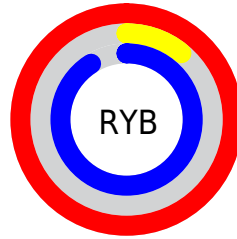
Distribution



Red (100%)

Green (11%)

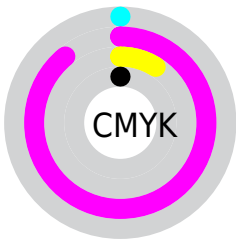
Blue (91%)



Red (100%)

Yellow (11%)

Blue (91%)

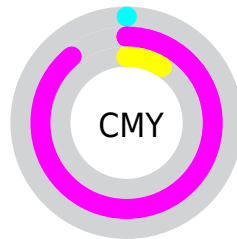


Cyan (0%)

Magenta (89%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (89%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.1974, 27.8701, 78.7615 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 56.1974, 27.8701, 78.7615 by changing the saturation by 10% instead.


 56.1974, 27.8701,
78.7615


 56.1974, 27.8701,
78.7615


400.4980,
291.8457, 510.3454


 40.5988, 18.2278,
58.1796

 98.4313, 56.2770,
133.4187

 28.1920, 11.1136,
41.5374

 125.7973, 75.8103,
168.3310


 18.6117, 6.1433,
28.4164


 157.8165, 99.4094,
208.8572

 11.4924, 2.9324,
18.3980

 194.8543,
127.4587, 255.4158

 6.4687, 1.0966,
11.0637

 237.2760,
160.3426, 308.4254

 3.1755, 0.0000,
5.9950

285.4469,

 1.2472, 0.0000,

198.4455, 368.3045

2.7733

339.7324,
242.1517, 435.4717

■ 0.1432, 0.0000,
0.9801

■ 0.0000, 0.0000,
0.0000

■ 56.1974, 27.8701,
78.7615

■ 56.1974, 27.8701,
78.7615

■ 55.4593, 26.9742,
76.7259

■ 57.4254, 29.7367,
80.9874

■ 55.4211, 26.9325,
76.6069

■ 59.2736, 32.8354,
83.4462

■ 61.8291, 37.3400,
86.1674

■ 65.1644, 43.3957,
89.1753

69.3432, 51.1294,
92.4912

74.4224, 60.6554,
96.1341

80.4540, 72.0774,
100.1216

87.4862, 85.4916,
104.4697

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.



42.6337, 27.8701, 143.9632



56.1974, 27.8701, 78.7615



61.1488, 27.8701, 27.5217

Triad

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



56.1974, 27.8701, 78.7615



25.4843, 27.8701, 0.0000



10.2156, 27.8701, 88.6925

Complementary

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



56.1974, 27.8701, 78.7615



36.7890, 71.9839, 14.9758

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.



8.2701, 27.8701, 33.3568



56.1974, 27.8701, 78.7615



15.0425, 27.8701, 0.9917

Square

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



56.1974, 27.8701, 78.7615



40.2568, 27.8701, 0.6988



9.6855, 27.8701, 7.4347



16.2848, 27.8701, 152.3557

Rectangle

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



56.1974, 27.8701, 78.7615



57.9073, 27.8701, 10.1828



9.6855, 27.8701, 7.4347



9.1706, 27.8701, 67.4573

Sweetspot

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



56.1981, 27.8713, 78.7620



75.7822, 63.2217, 97.0597



19.7492, 8.6787, 95.2420



15.8102, 12.7581, 20.4944



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.



56.1981, 27.8713, 78.7620



55.4211, 26.9325, 76.6069



44.9154, 23.3582, 19.3481



18.7090, 18.2669, 22.3508



28.9909, 14.0857, 40.1981



2.8446, 1.3802, 4.0292

Inverse Universe

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



56.1981, 27.8713, 78.7620



55.4211, 26.9325, 76.6069



42.8964, 74.4269, 47.1372



18.7090, 18.2669, 22.3508



28.9909, 14.0857, 40.1981



2.8446, 1.3802, 4.0292

Previews

White Background



This preview shows how the XYZ color 56.1974, 27.8701, 78.7615 looks on a white background.

Color Contrast Check

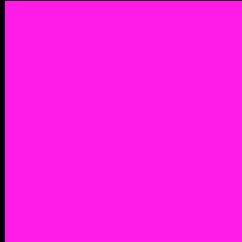
Large Text (above 18pt) WCAG AA ✓ Pass

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 56.1974, 27.8701, 78.7615 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

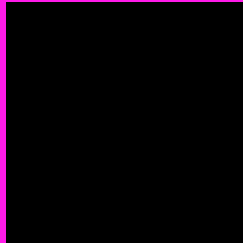
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 56.1974, 27.8701, 78.7615

Background



This preview shows how black text looks on a background with the XYZ color 56.1974, 27.8701, 78.7615.



This preview shows how white text looks on a background with the XYZ color 56.1974, 27.8701,

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

56.1974, 27.8701, 78.7615

Protanopia

31.6947, 28.3936, 98.4178

Deuteranopia

28.9348, 28.2597, 70.2593



Tritanopia

42.8728, 27.7835, 14.9075

Trichromacy



Original Color

56.1974, 27.8701, 78.7615



Protanomaly

33.7401, 22.2193, 90.5061



Deuteranomaly

32.8733, 22.3165, 72.3869



Tritanomaly

45.8144, 26.2611, 30.2580

Monochromacy



Original Color

56.1974, 27.8701, 78.7615



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

25.8214, 17.5185, 35.2782

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.1974, 27.8701, 78.7615 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, 27, 232)` looks like.

```
.text, #text, p{  
    color:rgb(255, 27, 232)  
}
```

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, 27, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 27, 232) }
```

Border

The CSS property to change the border of an element to XYZ 56.1974, 27.8701, 78.7615 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, 27, 232) }
```


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

```
.border{ border-color:rgb(255, 27, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 27, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 27, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 27, 232);  
box-shadow:4px 4px 4px 4px rgb(255, 27,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 56.1974, 27.8701, 78.7615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 27, 232) }
```

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

```
.background{ background-color: rgb(255, 27,  
232) }
```

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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