

# Converting Colors

XYZ(56.2266, 29.2867, 82.3930)

Have a look what the booklet for  
XYZ(56.2266, 29.2867, 82.3930)  
contains.

<b>XYZ(56.2902, 29.2977, 82.0451)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(56.2902, 29.2977,  
82.0451)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FB37EC
RGB	251, 55, 236
RGB Percent	98%, 22%, 93%
CMY	0.0157, 0.7843, 0.0745
CMYK	0.00, 0.78, 0.06, 0.02
HSL	305°, 96%, 60%
HSV	305°, 78%, 98%
XYZ	56.2902, 29.2977, 82.0451
YIQ	134.2380, 58.7150, 97.8430

# Conversions

## Conversions Part 2

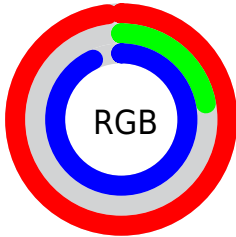
Format	Color
R <sub>YB</sub>	251, 55, 236
Decimal	16463852
CIE <sub>Lab</sub>	61.04, 87.81, -49.16
CIE <sub>LCh</sub>	61, 100.631, 330.756
Yxy	29.2977, 0.3358, 0.1748
Android (android.graphics.Color)	4294653932 (0xFFFB37EC)
YUV	134.2380, 50.1687, 102.4003
Hunter-Lab	54.1273, 90.9097, -51.9814

# Details

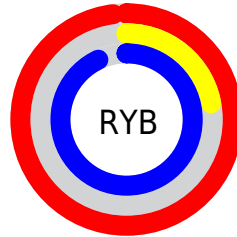
The XYZ color **56.2902, 29.2977, 82.0451** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **37.1797, 70.2502, 17.3964**, and the grayscale version is **22.5559, 23.7306, 25.8426**.

A 20% lighter version of the original color is **66.4977, 42.8953, 99.3826**, and **29.3719, 14.2018, 43.8410** is the 20% darker color. If you saturate the color by 10%, you get **55.1089, 27.3786, 80.2817**, and if you desaturate by 10%, it is **58.0821, 32.4316, 84.0272**.

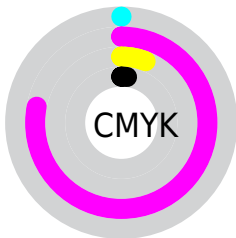
# Distribution



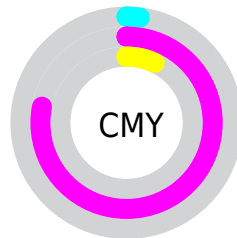
- Red (98%)
- Green (22%)
- Blue (93%)



- Red (98%)
- Yellow (22%)
- Blue (93%)



- Cyan (0%)
- Magenta (78%)
- Yellow (6%)
- Black (2%)




- Cyan (2%)
- Magenta (78%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.2902, 29.2977, 82.0451 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 56.2902, 29.2977, 82.0451 by changing the saturation by 10% instead.





 56.2902, 29.2977,  
82.0451


 56.2902, 29.2977,  
82.0451


400.8415,  
298.6170, 521.6859


 40.6736, 19.3061,  
60.8667


 98.5661, 58.5497,  
138.0745


 28.2506, 11.8917,  
43.6877


 125.9561, 78.5790,  
173.7625


 18.6561, 6.6700,  
30.0897


 158.0012,  
102.7230, 215.1242

 11.5246, 3.2566,  
19.6540

 195.0668,  
131.3660, 262.5781

 6.4907, 1.2671,  
11.9622

 237.5183,  
164.8926, 316.5426

 3.1892, 0.1155,  
6.5957

285.7210,

 1.2546, 0.0000,

203.6870, 377.4364

3.1360

340.0403,  
248.1337, 445.6780

■ 0.1488, 0.0000,  
1.1645

■ 0.0000, 0.0000,  
0.0000

■ 56.2902, 29.2977,  
82.0451

■ 56.2902, 29.2977,  
82.0451

■ 55.1089, 27.3786,  
80.2817

■ 58.0821, 32.4316,  
84.0272

■ 54.4244, 26.4491,  
78.6985

■ 60.5622, 36.9377,  
86.2534

■ 54.3199, 26.3238,  
78.4056

■ 63.7999, 42.9544,  
88.7470

■ 67.8555, 50.6020,  
91.5283

72.7832, 59.9888,  
94.6151

78.6322, 71.2136,  
98.0242

85.4486, 84.3679,  
101.7708

93.0151, 99.0179,  
105.7826

93.3202, 99.1399,  
107.3890

# Harmonies

## Analogous

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



42.9018, 29.2977, 143.5675



56.2902, 29.2977, 82.0451



61.6040, 29.2977, 30.9536

# Triad

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



56.2902, 29.2977, 82.0451



27.5141, 29.2977, 0.3233



11.2653, 29.2977, 85.1933

# Complementary

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



56.2902, 29.2977, 82.0451



37.1797, 70.2502, 17.3964

# 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.



9.4289, 29.2977, 32.8659



56.2902, 29.2977, 82.0451



16.8035, 29.2977, 1.3557

# Square

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



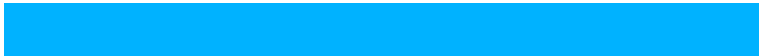
56.2902, 29.2977, 82.0451



42.1351, 29.2977, 1.2426



11.0837, 29.2977, 7.9727



17.2198, 29.2977, 146.1896



# Rectangle

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



56.2902, 29.2977, 82.0451



58.8601, 29.2977, 12.4878



11.0837, 29.2977, 7.9727



10.2487, 29.2977, 65.1083

# Sweetspot

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



56.2913, 29.2991, 82.0457



78.3945, 67.8322, 99.8242



21.1688, 10.9303, 92.2620



16.3237, 13.6449, 21.0977



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.



56.2913, 29.2991, 82.0457



56.6506, 27.7044, 82.2173



45.8801, 25.1346, 27.2212



17.9323, 17.5003, 21.4994



28.5770, 13.8465, 41.3424



2.6633, 1.2891, 3.9163



# Inverse Universe

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



56.2913, 29.2991, 82.0457



56.6506, 27.7044, 82.2173



42.9634, 72.5637, 47.8530



17.9323, 17.5003, 21.4994



28.5770, 13.8465, 41.3424



2.6633, 1.2891, 3.9163



# Previews

## White Background



This preview shows how the XYZ color 56.2902, 29.2977, 82.0451 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

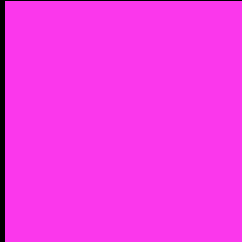
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.2902, 29.2977, 82.0451 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

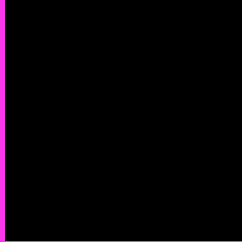
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 56.2902, 29.2977, 82.0451**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.2902, 29.2977, 82.0451.



This preview shows how white text looks on a background with the XYZ color 56.2902, 29.2977,



# 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

56.2902, 29.2977, 82.0451

### Protanopia

32.8471, 29.6533, 98.6002

### Deuteranopia

30.3085, 29.5747, 73.9231



## Tritanopia

42.9246, 29.0034, 18.0877

# Trichromacy



## Original Color

56.2902, 29.2977, 82.0451



## Protanomaly

35.6863, 25.0411, 91.7595



## Deuteranomaly

34.9212, 25.3174, 76.4450



## Tritanomaly

46.2907, 28.1106, 34.4386

# Monochromacy



## Original Color

56.2902, 29.2977, 82.0451



## Achromatopsia

22.6597, 23.8398, 25.9615



## Achromatomaly

30.5337, 22.3905, 41.2406

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.2902, 29.2977, 82.0451 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(251, 55, 236)` looks like.

```
.text, #text, p{  
    color:rgb(251, 55, 236)  
}
```

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(251, 55, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 55, 236) }
```

## Border

The CSS property to change the border of an element to XYZ 56.2902, 29.2977, 82.0451 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(251, 55, 236) }
```



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

```
.border{ border-color:rgb(251, 55, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 55, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 55, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 55, 236);  
box-shadow:4px 4px 4px 4px rgb(251, 55,  
236) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.2902, 29.2977, 82.0451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 55, 236) }
```

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

```
.background{ background-color: rgb(251, 55,  
236) }
```

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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