

Converting Colors

XYZ(56.8612, 29.6642, 90.9924)

Have a look what the booklet for
XYZ(56.8612, 29.6642, 90.9924)
contains.

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Color

**XYZ(56.7102, 29.6175,
90.7235)**

Conversions

Conversions Part 1

Format	Color
Hex	F73BF7
RGB	247, 59, 247
RGB Percent	97%, 23%, 97%
CMY	0.0314, 0.7686, 0.0314
CMYK	0.00, 0.76, 0.00, 0.03
HSL	300°, 92%, 60%
HSV	300°, 76%, 97%
XYZ	56.7102, 29.6175, 90.7235
YIQ	136.6440, 51.7000, 98.3240

Conversions

Conversions Part 2

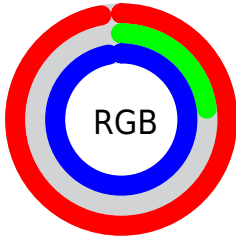
Format	Color
R _Y B	247, 59, 247
Decimal	16202743
CIE Lab	61.32, 87.64, -54.88
CIE LCh	61, 103.410, 327.945
Yxy	29.6175, 0.3203, 0.1673
Android (android.graphics.Color)	4294392823 (0xFFFF73BF7)
YUV	136.6440, 54.4055, 96.7822
Hunter-Lab	54.4220, 90.7668, -60.7433

Details

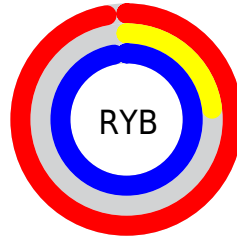
The XYZ color **56.7102, 29.6175, 90.7235** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **35.8552, 67.7684, 15.3301**, and the grayscale version is **23.4339, 24.6543, 26.8485**.

A 20% lighter version of the original color is **66.7509, 43.4017, 99.4670**, and **29.5440, 14.1568, 49.8906** is the 20% darker color. If you saturate the color by 10%, you get **55.7278, 27.6517, 90.3961**, and if you desaturate by 10%, it is **58.2948, 32.7857, 91.2520**.

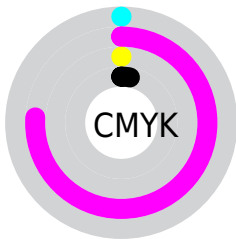
Distribution



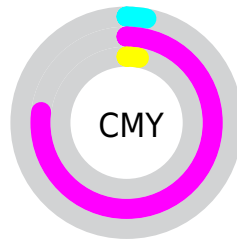
- Red (97%)
- Green (23%)
- Blue (97%)



- Red (97%)
- Yellow (23%)
- Blue (97%)



- Cyan (0%)
- Magenta (76%)
- Yellow (0%)
- Black (3%)





- Cyan (3%)
- Magenta (77%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.7102, 29.6175, 90.7235 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 56.7102, 29.6175, 90.7235 by changing the saturation by 10% instead.


 56.7102, 29.6175,
90.7235

 56.7102, 29.6175,
90.7235


402.3943,
300.1174, 551.0123


 41.0118, 19.5484,
68.0038

 99.1760, 59.0567,
150.2872

 28.5161, 12.0672,
49.4341


 126.6742, 79.1957,
187.9684


 18.8575, 6.7895,
34.5959


 158.8363,
103.4601, 231.4737

 11.6707, 3.3308,
23.0707

 196.0278,
132.2344, 281.2217

 6.5905, 1.3068,
14.4399

 238.6140,
165.9028, 337.6311

 3.2514, 0.1464,
8.2851

286.9602,

 1.2880, 0.0000,

204.8499, 401.1203

4.1875

341.4319,
249.4600, 472.1078

■ 0.1742, 0.0000,
1.7288

■ 0.0000, 0.0000,
0.3803

■ 56.7102, 29.6175,
90.7235

■ 56.7102, 29.6175,
90.7235

■ 55.7278, 27.6517,
90.3961

■ 58.2948, 32.7857,
91.2520

■ 55.2511, 26.6985,
90.2372

■ 60.5529, 37.3019,
92.0048

■ 55.1468, 26.4898,
90.2024

■ 63.5496, 43.2953,
93.0038

■ 67.3416, 50.8792,
94.2679

71.9798, 60.1556,
95.8140

77.5111, 71.2181,
97.6579

83.9787, 84.1533,
99.8139

90.9070, 98.0099,
102.1234

90.9070, 98.0099,
102.1235

Harmonies

Analogous

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



42.3015, 29.6175, 154.3439



56.7102, 29.6175, 90.7235



63.2953, 29.6175, 35.0155

Triad

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



56.7102, 29.6175, 90.7235



29.1009, 29.6175, 0.1668



10.7678, 29.6175, 81.7466

Complementary

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



56.7102, 29.6175, 90.7235



35.8552, 67.7684, 15.3301

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.



9.2448, 29.6175, 29.6311



56.7102, 29.6175, 90.7235



17.5703, 29.6175, 1.0057

Square

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



56.7102, 29.6175, 90.7235



44.4733, 29.6175, 1.2966



11.2707, 29.6175, 6.5666



16.4080, 29.6175, 146.8254

Rectangle

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



56.7102, 29.6175, 90.7235



61.1611, 29.6175, 14.2132



11.2707, 29.6175, 6.5666



9.8566, 29.6175, 61.3345

Sweetspot

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



56.7114, 29.6189, 90.7241



79.1089, 68.1179, 103.5861



20.1575, 10.7746, 89.0141



16.5003, 13.7156, 22.0276



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.



56.7114, 29.6189, 90.7241



59.5952, 29.0907, 97.0808



45.6731, 25.2035, 32.5971



17.2137, 16.7683, 20.8719



29.1650, 14.0094, 47.7044



2.5633, 1.2313, 4.1928

Inverse Universe

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



56.7114, 29.6189, 90.7241



59.5952, 29.0907, 97.0808



40.8157, 69.7526, 41.4520



17.2137, 16.7683, 20.8719



29.1650, 14.0094, 47.7044



2.5633, 1.2313, 4.1928

Previews

White Background



This preview shows how the XYZ color 56.7102, 29.6175, 90.7235 looks on a white background.

Color Contrast Check

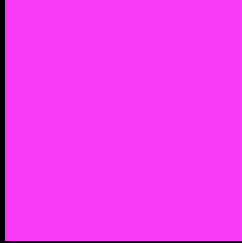
Large Text (above 18pt) WCAG AA ✓ Pass

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 56.7102, 29.6175, 90.7235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

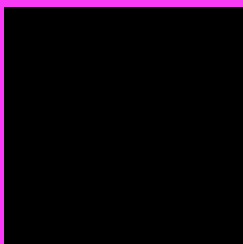
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 56.7102, 29.6175, 90.7235

Background



This preview shows how black text looks on a background with the XYZ color 56.7102, 29.6175, 90.7235.



This preview shows how white text looks on a background with the XYZ color 56.7102, 29.6175,

90.7235.

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

56.7102, 29.6175, 90.7235

Protanopia

33.1052, 30.0122, 98.6558

Deuteranopia

30.8080, 29.8870, 81.9869



Tritanopia

41.8997, 29.3540, 19.9805

Trichromacy



Original Color

56.7102, 29.6175, 90.7235



Protanomaly

36.5369, 25.7383, 95.1377



Deuteranomaly

35.1518, 25.5928, 84.7486



Tritanomaly

45.3670, 28.1670, 38.1676

Monochromacy



Original Color

56.7102, 29.6175, 90.7235



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

31.5359, 23.4587, 44.4608

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.7102, 29.6175, 90.7235 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(247, 59, 247)` looks like.

```
.text, #text, p{  
    color:rgb(247, 59, 247)  
}
```

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(247, 59, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 59, 247) }
```

Border

The CSS property to change the border of an element to XYZ 56.7102, 29.6175, 90.7235 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(247, 59, 247) }
```


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

```
.border{ border-color:rgb(247, 59, 247) }
```

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

Here you see how a box with a 4 pixel rgb(247, 59, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 59, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 59, 247);  
box-shadow:4px 4px 4px 4px rgb(247, 59,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 56.7102, 29.6175, 90.7235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 59, 247) }
```

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

```
.background{ background-color: rgb(247, 59,  
247) }
```

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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