

Converting Colors

XYZ(56.6627, 29.3232, 77.3055)

Have a look what the booklet for
XYZ(56.6627, 29.3232, 77.3055)
contains.

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Color

**XYZ(56.7068, 29.3408,
77.5375)**

Conversions

Conversions Part 1

Format	Color
Hex	FF33E6
RGB	255, 51, 230
RGB Percent	100%, 20%, 90%
CMY	0.0000, 0.7999, 0.0980
CMYK	0.00, 0.80, 0.10, 0.00
HSL	307°, 100%, 60%
HSV	307°, 80%, 100%
XYZ	56.7068, 29.3408, 77.5375
YIQ	132.4020, 64.1250, 98.9170

Conversions

Conversions Part 2

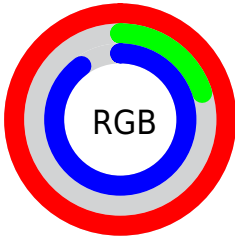
Format	Color
R _Y B	255, 51, 230
Decimal	16724966
CIE Lab	61.08, 88.68, -45.70
CIE LCh	61, 99.760, 332.735
Yxy	29.3408, 0.3467, 0.1794
Android (android.graphics.Color)	4294915046 (0xFFFF33E6)
YUV	132.4020, 48.1158, 107.5184
Hunter-Lab	54.1671, 92.0765, -46.9536

Details

The XYZ color **56.7068, 29.3408, 77.5375** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light washed magenta. A complement of this color would be **38.4308, 72.7461, 18.8556**, and the grayscale version is **21.8950, 23.0352, 25.0854**.

A 20% lighter version of the original color is **66.2495, 42.3991, 99.2998**, and **29.8881, 14.5253, 41.2728** is the 20% darker color. If you saturate the color by 10%, you get **55.4466, 27.5166, 74.9718**, and if you desaturate by 10%, it is **58.5859, 32.3902, 80.3490**.

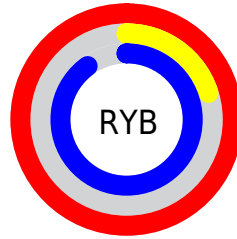
Distribution



Red (100%)

Green (20%)

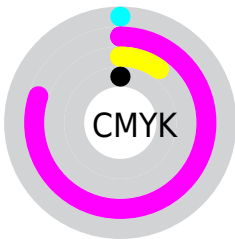
Blue (90%)



Red (100%)

Yellow (20%)

Blue (90%)

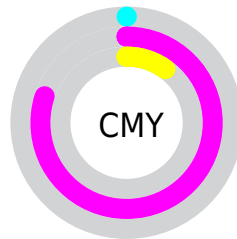


Cyan (0%)

Magenta (80%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (80%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.7068, 29.3408, 77.5375 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 56.7068, 29.3408, 77.5375 by changing the saturation by 10% instead.


 56.7068, 29.3408,
77.5375

 56.7068, 29.3408,
77.5375

402.3817,
298.8196, 506.0809

 41.0091, 19.3388,
57.1799

 99.1711, 58.6181,
131.6779

 28.5139, 11.9153,
40.7394

 126.6684, 78.6622,
166.2978


 18.8558, 6.6860,
27.7973


 158.8296,
102.8224, 206.5088

 11.6695, 3.2665,
17.9352

 196.0200,
131.4832, 252.7296

 6.5897, 1.2724,
10.7345

 238.6051,
165.0289, 305.3787

 3.2509, 0.1197,
5.7767

286.9502,

 1.2878, 0.0000,

203.8439, 364.8746

2.6432

341.4206,
248.3127, 431.6358

■ 0.1740, 0.0000,
0.9146

■ 0.0000, 0.0000,
0.0000

■ 56.7068, 29.3408,
77.5375

■ 56.7068, 29.3408,
77.5375

■ 55.4466, 27.5166,
74.9718

■ 58.5859, 32.3902,
80.3490

■ 54.6608, 26.6286,
72.6024

■ 61.1694, 36.8360,
83.4341

■ 54.6605, 26.6282,
72.6012

■ 64.5314, 42.8258,
86.8179

■ 68.7357, 50.4877,
90.5218

73.8399, 59.9362,
94.5653

79.8961, 71.2759,
98.9660

86.9526, 84.6034,
103.7400

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.



43.7963, 29.3408, 138.7193



56.7068, 29.3408, 77.5375



61.2571, 29.3408, 28.6361

Triad

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



56.7068, 29.3408, 77.5375



26.7061, 29.3408, 0.3962



11.6444, 29.3408, 88.7782

Complementary

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



56.7068, 29.3408, 77.5375



38.4308, 72.7461, 18.8556

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.



9.5689, 29.3408, 35.5041



56.7068, 29.3408, 77.5375



16.3899, 29.3408, 1.5995

Square

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



56.7068, 29.3408, 77.5375



41.0510, 29.3408, 1.1771



10.9876, 29.3408, 9.0237



17.8900, 29.3408, 148.0573

Rectangle

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



56.7068, 29.3408, 77.5375



58.0645, 29.3408, 11.4295



10.9876, 29.3408, 9.0237



10.5427, 29.3408, 68.5963

Sweetspot

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



56.7074, 29.3420, 77.5380



77.3530, 66.5009, 97.1595



22.1213, 11.0770, 95.5799



16.1008, 13.3810, 20.4628



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.



56.7074, 29.3420, 77.5380



54.9411, 26.9176, 73.5331



46.4007, 25.2193, 23.2637



18.6912, 18.2598, 22.2569



28.5991, 13.9289, 38.1350



2.8104, 1.3665, 3.8490

Inverse Universe

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



56.7074, 29.3420, 77.5380



54.9411, 26.9176, 73.5331



45.0423, 75.3907, 53.6710



18.6912, 18.2598, 22.2569



28.5991, 13.9289, 38.1350



2.8104, 1.3665, 3.8490

Previews

White Background



This preview shows how the XYZ color 56.7068, 29.3408, 77.5375 looks on a white background.

Color Contrast Check

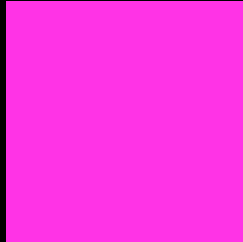
Large Text (above 18pt) WCAG AA ✓ Pass

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 56.7068, 29.3408, 77.5375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

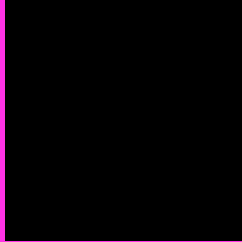
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 56.7068, 29.3408, 77.5375

Background



This preview shows how black text looks on a background with the XYZ color 56.7068, 29.3408, 77.5375.



This preview shows how white text looks on a background with the XYZ color 56.7068, 29.3408,

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

56.7068, 29.3408, 77.5375

Protanopia

32.9530, 29.7079, 98.6051

Deuteranopia

30.4293, 29.7287, 69.7801



Tritanopia

44.1208, 29.2096, 16.9483

Trichromacy



Original Color

56.7068, 29.3408, 77.5375



Protanomaly

35.5369, 24.6757, 90.0787



Deuteranomaly

35.1274, 25.1871, 72.1174



Tritanomaly

46.9610, 28.0431, 32.2159

Monochromacy



Original Color

56.7068, 29.3408, 77.5375



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

30.0496, 21.8748, 39.6843

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.7068, 29.3408, 77.5375 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, 51, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 230)  
}
```

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, 51, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 230) }
```

Border

The CSS property to change the border of an element to XYZ 56.7068, 29.3408, 77.5375 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, 51, 230) }
```


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

```
.border{ border-color:rgb(255, 51, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 51, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 56.7068, 29.3408, 77.5375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 230) }
```

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

```
.background{ background-color: rgb(255, 51,  
230) }
```

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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