

Converting Colors

XYZ(55.3114, 28.6113, 70.7181)

Have a look what the booklet for
XYZ(55.3114, 28.6113, 70.7181)
contains.

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Color

**XYZ(55.3481, 28.5944,
71.0087)**

Conversions

Conversions Part 1

Format	Color
Hex	FF30DD
RGB	255, 48, 221
RGB Percent	100%, 19%, 87%
CMY	0.0000, 0.8117, 0.1333
CMYK	0.00, 0.81, 0.13, 0.00
HSL	310°, 100%, 59%
HSV	310°, 81%, 100%
XYZ	55.3481, 28.5944, 71.0087
YIQ	129.6150, 67.8390, 97.6870

Conversions

Conversions Part 2

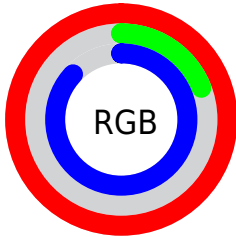
Format	Color
R _{YB}	255, 48, 221
Decimal	16724189
CIE _{Lab}	60.42, 88.13, -41.68
CIE _{LCh}	60, 97.486, 334.690
Y _{xy}	28.5944, 0.3572, 0.1845
Android (android.graphics.Color)	4294914269 (0xFFFF30DD)
YUV	129.6150, 45.0528, 109.9626
Hunter-Lab	53.4737, 91.1778, -41.3006

Details

The XYZ color **55.3481, 28.5944, 71.0087** 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 **38.5032, 72.7582, 20.0001**, and the grayscale version is **20.9147, 22.0039, 23.9623**.

A 20% lighter version of the original color is **66.0065, 41.9129, 99.2188**, and **29.0397, 14.1859, 36.8049** is the 20% darker color. If you saturate the color by 10%, you get **54.0368, 26.8537, 67.8526**, and if you desaturate by 10%, it is **57.2730, 31.5397, 74.4386**.

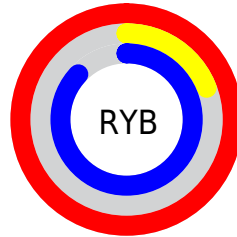
Distribution



Red (100%)

Green (19%)

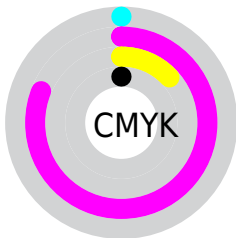
Blue (87%)



Red (100%)

Yellow (19%)

Blue (87%)

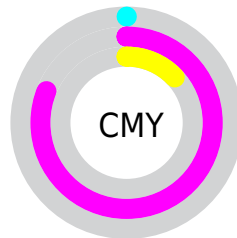


Cyan (0%)

Magenta (81%)

Yellow (13%)

Black (0%)



Cyan (0%)

Magenta (81%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.3481, 28.5944, 71.0087 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 55.3481, 28.5944, 71.0087 by changing the saturation by 10% instead.

 55.3481, 28.5944,
71.0087


 55.3481, 28.5944,
71.0087


397.3451,
295.2964, 482.9683


 39.9154, 18.7742,
51.8674


 97.1961, 57.4320,
122.3407


 27.6565, 11.5072,
36.5179


 124.3422, 77.2183,
155.3685


 18.2060, 6.4091,
24.5416


 156.1235,
101.0953, 193.8622

 11.1986, 3.0954,
15.5199

 192.9053,
129.4476, 238.2403

 6.2689, 1.1817,
9.0344

 235.0530,
162.6594, 288.9215

 3.0514, 0.0467,
4.6665

282.9320,

 1.1810, 0.0000,

201.1152, 346.3242

1.9977

336.9076,
245.1994, 410.8669

■ 0.0913, 0.0000,
0.5538

■ 0.0000, 0.0000,
0.0000

■ 55.3481, 28.5944,
71.0087

■ 55.3481, 28.5944,
71.0087

■ 54.0368, 26.8537,
67.8526


■ 57.2730, 31.5397,
74.4386


■ 53.2646, 26.0699,
65.2509

■ 59.8990, 35.8649,
78.1712


■ 63.3015, 41.7205,
82.2322


■ 67.5455, 49.2363,
86.6439

 72.6891, 58.5284,
91.4261

 78.7852, 69.7025,
96.5969

 85.8825, 82.8558,
102.1730

 94.0264, 98.0790,
108.1699

 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.



43.3543, 28.5944, 129.5342



55.3481, 28.5944, 71.0087



59.0180, 28.5944, 25.8190

Triad

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



55.3481, 28.5944, 71.0087



25.2525, 28.5944, 0.4905



11.7739, 28.5944, 89.3513

Complementary

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



55.3481, 28.5944, 71.0087



38.5032, 72.7582, 20.0001

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.



9.5251, 28.5944, 37.1335



55.3481, 28.5944, 71.0087



15.6282, 28.5944, 1.8704

Square

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



55.3481, 28.5944, 71.0087



38.8543, 28.5944, 1.1307



10.6801, 28.5944, 9.9501



18.1123, 28.5944, 144.7071

Rectangle

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



55.3481, 28.5944, 71.0087



55.5256, 28.5944, 10.2703



10.6801, 28.5944, 9.9501



10.6210, 28.5944, 69.8406

Sweetspot

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



55.3488, 28.5957, 71.0092



76.9607, 66.3440, 95.0933



22.3373, 11.0002, 95.5537



16.0051, 13.3427, 19.9584



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.



55.3488, 28.5957, 71.0092



53.5079, 26.3000, 66.1225



45.7158, 24.7424, 20.2823



18.6570, 18.2461, 22.0767



27.8795, 13.6411, 34.3457



2.7472, 1.3412, 3.5159

Inverse Universe

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



55.3488, 28.5957, 71.0092



53.5079, 26.3000, 66.1225



45.4807, 75.5492, 56.7429



18.6570, 18.2461, 22.0767



27.8795, 13.6411, 34.3457



2.7472, 1.3412, 3.5159

Previews

White Background



This preview shows how the XYZ color 55.3481, 28.5944, 71.0087 looks on a white background.

Color Contrast Check

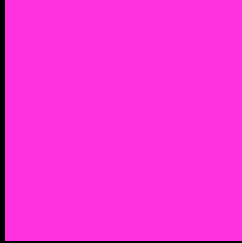
Large Text (above 18pt) WCAG AA ✓ Pass

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 55.3481, 28.5944, 71.0087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

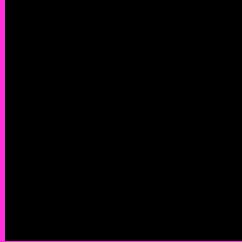
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 55.3481, 28.5944, 71.0087

Background



This preview shows how black text looks on a background with the XYZ color 55.3481, 28.5944, 71.0087.



This preview shows how white text looks on a background with the XYZ color 55.3481, 28.5944,

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

55.3481, 28.5944, 71.0087

Protanopia

32.2372, 28.8932, 98.4856

Deuteranopia

29.3845, 28.6382, 63.6535



Tritanopia

43.7494, 28.3571, 15.4795

Trichromacy



Original Color

55.3481, 28.5944, 71.0087



Protanomaly

34.4891, 23.8716, 87.5839



Deuteranomaly

34.0564, 24.2874, 65.8438



Tritanomaly

46.5466, 27.4496, 29.6331

Monochromacy



Original Color

55.3481, 28.5944, 71.0087



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

28.8472, 20.8726, 37.1587

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.3481, 28.5944, 71.0087 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, 48, 221)` looks like.

```
.text, #text, p{  
    color:rgb(255, 48, 221)  
}
```

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, 48, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 48, 221) }
```

Border

The CSS property to change the border of an element to XYZ 55.3481, 28.5944, 71.0087 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, 48, 221) }
```


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

```
.border{ border-color:rgb(255, 48, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 48, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 48, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 48, 221);  
box-shadow:4px 4px 4px 4px rgb(255, 48,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 55.3481, 28.5944, 71.0087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 48, 221) }
```

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

```
.background{ background-color: rgb(255, 48,  
221) }
```

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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