

Converting Colors

XYZ(134.6863, 66.0106,
79.3784)

Have a look what the booklet for
XYZ(134.6863, 66.0106, 79.3784)
contains.

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Color

**XYZ(55.2436, 26.8614,
75.6719)**

Conversions

Conversions Part 1

Format	Color
Hex	FF00E4
RGB	255, 0, 228
RGB Percent	100%, 0%, 89%
CMY	0.0000, 0.9998, 0.1059
CMYK	0.00, 1.00, 0.11, 0.00
HSL	306°, 100%, 50%
HSV	306°, 100%, 100%
XYZ	55.2436, 26.8614, 75.6719
YIQ	102.2370, 78.7920, 124.9680

Conversions

Conversions Part 2

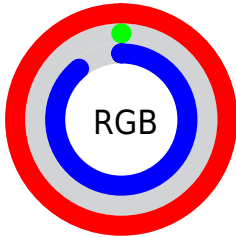
Format	Color
R_{YB}	255, 0, 228
Decimal	16711908
CIE _{Lab}	58.85, 94.66, -48.11
CIE _{LCh}	59, 106.184, 333.058
Yxy	26.8614, 0.3501, 0.1702
Android (android.graphics.Color)	4294901988 (0xFFFF00E4)
YUV	102.2370, 62.0012, 133.9732
Hunter-Lab	51.8280, 99.5647, -50.2873

Details

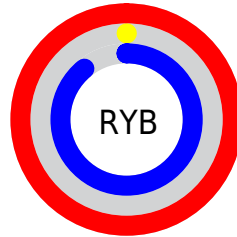
The XYZ color **55.2436, 26.8614, 75.6719** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **35.9590, 71.5997, 12.9647**, and the grayscale version is **12.5272, 13.1795, 14.3525**.

A 20% lighter version of the original color is **64.2403, 38.3806, 98.6301**, and **29.4387, 14.3160, 40.2414** is the 20% darker color. If you saturate the color by 10%, you get **55.2429, 26.8612, 75.6684**, and if you desaturate by 10%, it is **55.9811, 27.7316, 77.7822**.

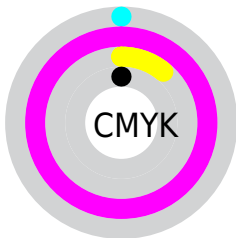
Distribution



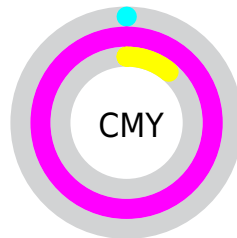
- Red (100%)
- Green (0%)
- Blue (89%)



- Red (100%)
- Yellow (0%)
- Blue (89%)



- Cyan (0%)
- Magenta (100%)
- Yellow (11%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.2436, 26.8614, 75.6719 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 55.2436, 26.8614, 75.6719 by changing the saturation by 10% instead.


 55.2436, 26.8614,
75.6719


 55.2436, 26.8614,
75.6719

396.9561,
286.9854, 499.5407

 39.8314, 17.4692,
55.6585

 97.0440, 54.6614,
129.0188


 27.5907, 10.5696,
39.5270


 124.1630, 73.8379,
163.1894

 18.1563, 5.7782,
26.8590


 155.9148, 97.0446,
202.9162

 11.1626, 2.7107,
17.2358

 192.6650,
124.6660, 248.6176

 6.2444, 0.9826,
10.2390

 234.7789,
157.0864, 300.7122

 3.0363, 0.0000,
5.4501

282.6218,

 1.1730, 0.0000,

194.6901, 359.6185

2.4504

336.5591,
237.8617, 425.7552

■ 0.0849, 0.0000,
0.8137

■ 0.0000, 0.0000,
0.0000

■ 55.2436, 26.8614,
75.6719

■ 55.2436, 26.8614,
75.6719

■ 55.2429, 26.8612,
75.6684

■ 55.9811, 27.7316,
77.7822

■ 57.1913, 29.5381,
80.0788

■ 59.0175, 32.5668,
82.6099

■ 61.5469, 36.9926,
85.4047

64.8528, 42.9618,
88.4877

68.9992, 50.6024,
91.8804

74.0434, 60.0290,
95.6021

80.0377, 71.3461,
99.6702

87.0304, 84.6503,
104.1009

Harmonies

Analogous

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



41.8992, 26.8614, 141.0835



55.2436, 26.8614, 75.6719



59.8852, 26.8614, 25.5627

Triad

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



55.2436, 26.8614, 75.6719



24.2096, 26.8614, 0.0000



9.6948, 26.8614, 88.9531

Complementary

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



55.2436, 26.8614, 75.6719



35.9590, 71.5997, 12.9647

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.



7.7246, 26.8614, 33.2704



55.2436, 26.8614, 75.6719



14.1006, 26.8614, 0.8713

Square

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



55.2436, 26.8614, 75.6719



38.7413, 26.8614, 0.4753



9.0065, 26.8614, 7.2153



15.7274, 26.8614, 152.3669

Rectangle

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



55.2436, 26.8614, 75.6719



56.4605, 26.8614, 9.1043



9.0065, 26.8614, 7.2153



8.6508, 26.8614, 67.6170

Sweetspot

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



55.2442, 26.8625, 75.6724



74.0329, 60.0093, 95.5946



18.4650, 7.4347, 95.0696



15.3669, 11.9460, 20.1166



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.



55.2442, 26.8625, 75.6724



55.2429, 26.8612, 75.6684



43.6402, 22.2209, 14.5669



18.7049, 18.2653, 22.3291



28.8991, 14.0489, 39.7149



2.8366, 1.3770, 3.9870

Inverse Universe

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



55.2442, 26.8625, 75.6724



55.2429, 26.8612, 75.6684



41.5120, 73.8209, 42.2064



18.7049, 18.2653, 22.3291



28.8991, 14.0489, 39.7149



2.8366, 1.3770, 3.9870

Previews

White Background



This preview shows how the XYZ color 55.2436, 26.8614, 75.6719 looks on a white background.

Color Contrast Check

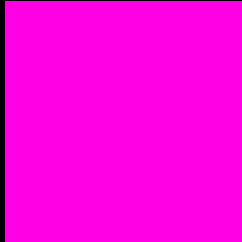
Large Text (above 18pt) WCAG AA ✓ Pass

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 55.2436, 26.8614, 75.6719 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

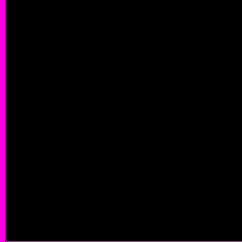
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 55.2436, 26.8614, 75.6719

Background



This preview shows how black text looks on a background with the XYZ color 55.2436, 26.8614, 75.6719.



This preview shows how white text looks on a background with the XYZ color 55.2436, 26.8614,

75.6719.

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

55.2436, 26.8614, 75.6719

Protanopia

31.0289, 27.6165, 98.3029

Deuteranopia

28.2410, 27.5160, 67.4410



Tritanopia

42.3397, 27.0158, 13.8095

Trichromacy



Original Color

55.2436, 26.8614, 75.6719



Protanomaly

32.0038, 19.7751, 88.5164



Deuteranomaly

31.5466, 20.2133, 69.2567



Tritanomaly

44.7788, 24.6836, 28.3909

Monochromacy



Original Color

55.2436, 26.8614, 75.6719



Achromatopsia

12.6291, 13.2868, 14.4694



Achromatomaly

21.3361, 13.1878, 29.4379

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.2436, 26.8614, 75.6719 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, 0, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 228)  
}
```

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, 0, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 228) }
```

Border

The CSS property to change the border of an element to XYZ 55.2436, 26.8614, 75.6719 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, 0, 228) }
```


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

```
.border{ border-color:rgb(255, 0, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 0, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 55.2436, 26.8614, 75.6719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 228) }
```

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

```
.background{ background-color: rgb(255, 0,  
228) }
```

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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