

Converting Colors

XYZ(55.8810, 27.2935, 78.4824)

Have a look what the booklet for
XYZ(55.8810, 27.2935, 78.4824)
contains.

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Color

**XYZ(55.9140, 27.3033,
78.6670)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0AE8
RGB	255, 10, 232
RGB Percent	100%, 4%, 91%
CMY	0.0000, 0.9606, 0.0902
CMYK	0.00, 0.96, 0.09, 0.00
HSL	306°, 100%, 52%
HSV	306°, 96%, 100%
XYZ	55.9140, 27.3033, 78.6670
YIQ	108.5630, 74.7580, 120.9820

Conversions

Conversions Part 2

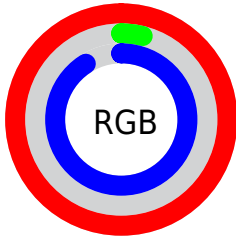
Format	Color
R_{YB}	255, 10, 232
Decimal	16714472
CIE _{Lab}	59.25, 94.58, -49.71
CIE _{LCh}	59, 106.851, 332.272
Yxy	27.3033, 0.3454, 0.1687
Android (android.graphics.Color)	4294904552 (0xFFFF0AE8)
YUV	108.5630, 60.8544, 128.4252
Hunter-Lab	52.2526, 99.5659, -52.6852

Details

The XYZ color **55.9140, 27.3033, 78.6670** 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 **36.1611, 71.6950, 13.3753**, and the grayscale version is **14.2400, 14.9816, 16.3150**.

A 20% lighter version of the original color is **64.4440, 38.7881, 98.6980**, and **29.8288, 14.4720, 42.2955** is the 20% darker color. If you saturate the color by 10%, you get **55.6718, 27.0327, 77.9267**, and if you desaturate by 10%, it is **56.7655, 28.4581, 80.6407**.

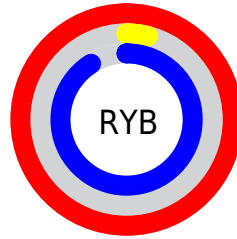
Distribution



Red (100%)

Green (4%)

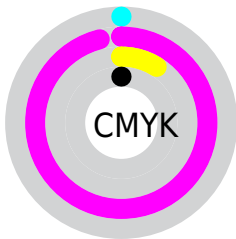
Blue (91%)



Red (100%)

Yellow (4%)

Blue (91%)

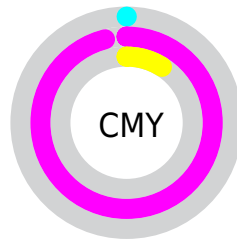


Cyan (0%)

Magenta (96%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (96%)


Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.9140, 27.3033, 78.6670 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 55.9140, 27.3033, 78.6670 by changing the saturation by 10% instead.


 55.9140, 27.3033,
78.6670


 55.9140, 27.3033,
78.6670

399.4476,
289.1227, 510.0169


 40.3707, 17.8011,
58.1024


 98.0194, 55.3702,
133.2844


 28.0132, 10.8073,
41.4757


 125.3121, 74.7037,
168.1742


 18.4761, 5.9374,
28.3685


 157.2521, 98.0831,
208.6761

 11.3941, 2.8071,
18.3622

 194.2047,
125.8928, 255.2088

 6.4018, 1.0319,
11.0382

 236.5351,
158.5173, 308.1906

 3.1339, 0.0000,
5.9780

284.6089,

 1.2250, 0.0000,

196.3408, 368.0402

2.7631

338.7913,
239.7478, 435.1761

■ 0.1259, 0.0000,
0.9750

■ 0.0000, 0.0000,
0.0000

■ 55.9140, 27.3033,
78.6670

■ 55.9140, 27.3033,
78.6670

■ 55.6718, 27.0327,
77.9267

■ 56.7655, 28.4581,
80.6407

■ 58.1668, 30.7053,
82.8203

■ 60.2192, 34.2471,
85.2400

■ 63.0037, 39.2455,
87.9268

66.5894, 45.8389,
90.9040

71.0375, 54.1496,
94.1919

76.4032, 64.2878,
97.8090

82.7371, 76.3548,
101.7724

90.0860, 90.4442,
106.0976

Harmonies

Analogous

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



42.1939, 27.3033, 145.1066



55.9140, 27.3033, 78.6670



60.9363, 27.3033, 26.9106

Triad

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



55.9140, 27.3033, 78.6670



24.9474, 27.3033, 0.0000



9.7459, 27.3033, 88.7167

Complementary

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



55.9140, 27.3033, 78.6670



36.1611, 71.6950, 13.3753

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.



7.8348, 27.3033, 32.7369



55.9140, 27.3033, 78.6670



14.5250, 27.3033, 0.8262

Square

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



55.9140, 27.3033, 78.6670



39.8052, 27.3033, 0.5300



9.2261, 27.3033, 6.9774



15.7542, 27.3033, 153.6485

Rectangle

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



55.9140, 27.3033, 78.6670



57.6525, 27.3033, 9.6762



9.2261, 27.3033, 6.9774



8.7181, 27.3033, 67.1582

Sweetspot

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



55.9147, 27.3045, 78.6675



74.7261, 61.1089, 96.7095



18.7082, 7.7213, 95.1121



15.5053, 12.1558, 20.3698



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.



55.9147, 27.3045, 78.6675



55.6718, 27.0327, 77.9267



44.2801, 22.6506, 17.4008



18.7148, 18.2692, 22.3812



29.1199, 14.1373, 40.8776



2.8559, 1.3847, 4.0884

Inverse Universe

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



55.9147, 27.3045, 78.6675



55.6718, 27.0327, 77.9267



41.6305, 73.8828, 42.1771



18.7148, 18.2692, 22.3812



29.1199, 14.1373, 40.8776



2.8559, 1.3847, 4.0884

Previews

White Background



This preview shows how the XYZ color 55.9140, 27.3033, 78.6670 looks on a white background.

Color Contrast Check

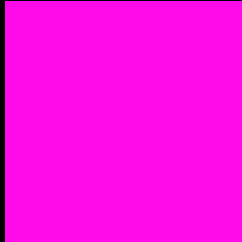
Large Text (above 18pt) WCAG AA ✓ Pass

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 55.9140, 27.3033, 78.6670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

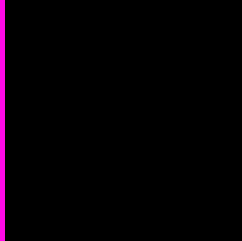
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 55.9140, 27.3033, 78.6670

Background



This preview shows how black text looks on a background with the XYZ color 55.9140, 27.3033, 78.6670.



This preview shows how white text looks on a background with the XYZ color 55.9140, 27.3033,

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

55.9140, 27.3033, 78.6670

Protanopia

31.3586, 28.0024, 98.3600

Deuteranopia

28.5408, 27.8327, 70.1977



Tritanopia

42.5167, 27.2225, 14.3228

Trichromacy



Original Color

55.9140, 27.3033, 78.6670



Protanomaly

32.9156, 20.8400, 90.2834



Deuteranomaly

32.1094, 21.0892, 72.1903



Tritanomaly

45.2687, 25.2947, 29.6906

Monochromacy



Original Color

55.9140, 27.3033, 78.6670



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

23.1156, 14.7796, 32.2063

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.9140, 27.3033, 78.6670 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, 10, 232)` looks like.

```
.text, #text, p{  
    color:rgb(255, 10, 232)  
}
```

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, 10, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 10, 232) }
```

Border

The CSS property to change the border of an element to XYZ 55.9140, 27.3033, 78.6670 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, 10, 232) }
```


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

```
.border{ border-color:rgb(255, 10, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 10, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 10, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 10, 232);  
box-shadow:4px 4px 4px 4px rgb(255, 10,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 55.9140, 27.3033, 78.6670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 10, 232) }
```

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

```
.background{ background-color: rgb(255, 10,  
232) }
```

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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