

Converting Colors

XYZ(55.8719, 27.5246, 77.7109)

Have a look what the booklet for
XYZ(55.8719, 27.5246, 77.7109)
contains.

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Color

**XYZ(55.9140, 27.5298,
77.9681)**

Conversions

Conversions Part 1

Format	Color
Hex	FF14E7
RGB	255, 20, 231
RGB Percent	100%, 8%, 91%
CMY	0.0000, 0.9215, 0.0941
CMYK	0.00, 0.92, 0.09, 0.00
HSL	306°, 100%, 54%
HSV	306°, 92%, 100%
XYZ	55.9140, 27.5298, 77.9681
YIQ	114.3190, 72.3290, 115.4410

Conversions

Conversions Part 2

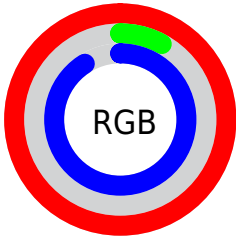
Format	Color
R _Y B	255, 20, 231
Decimal	16717031
CIE Lab	59.46, 93.69, -48.82
CIE LCh	59, 105.645, 332.474
Yxy	27.5298, 0.3464, 0.1706
Android (android.graphics.Color)	4294907111 (0xFFFF14E7)
YUV	114.3190, 57.5237, 123.3772
Hunter-Lab	52.4688, 98.4000, -51.3761

Details

The XYZ color **55.9140, 27.5298, 77.9681** 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 **36.5043, 71.8511, 14.3304**, and the grayscale version is **15.9124, 16.7411, 18.2311**.

A 20% lighter version of the original color is **64.6526, 39.2051, 98.7675**, and **29.7302, 14.4326, 41.7763** is the 20% darker color. If you saturate the color by 10%, you get **55.3765, 26.9146, 76.3719**, and if you desaturate by 10%, it is **56.9933, 29.0953, 80.1568**.

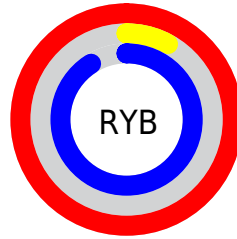
Distribution



Red (100%)

Green (8%)

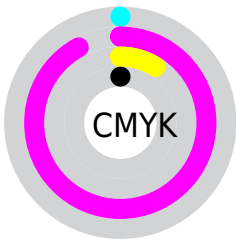
Blue (91%)



Red (100%)

Yellow (8%)

Blue (91%)

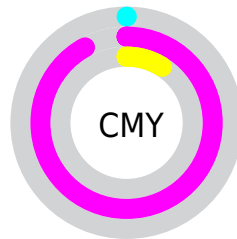


Cyan (0%)

Magenta (92%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (92%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.9140, 27.5298, 77.9681 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, 27.5298, 77.9681 by changing the saturation by 10% instead.


 55.9140, 27.5298,
77.9681


 55.9140, 27.5298,
77.9681


399.4476,
290.2132, 507.5835


 40.3707, 17.9715,
57.5315


 98.0194, 55.7329,
132.2906


 28.0132, 10.9295,
41.0199


 125.3121, 75.1464,
167.0136


 18.4761, 6.0195,
28.0148


 157.2521, 98.6139,
207.3358

 11.3941, 2.8569,
18.0977

 194.2047,
126.5196, 253.6757

 6.4018, 1.0575,
10.8500

 236.5351,
159.2480, 306.4519

 3.1339, 0.0000,
5.8531

284.6089,

 1.2250, 0.0000,

197.1835, 366.0829

2.6886

338.7913,
240.7104, 432.9873

■ 0.1259, 0.0000,
0.9377

■ 0.0000, 0.0000,
0.0000

■ 55.9140, 27.5298,
77.9681

■ 55.9140, 27.5298,
77.9681

■ 55.3765, 26.9146,
76.3719

■ 56.9933, 29.0953,
80.1568

■ 58.6659, 31.8386,
82.5700

■ 61.0239, 35.9437,
85.2389

■ 64.1430, 41.5622,
88.1889

68.0889, 48.8256,
91.4420

72.9203, 57.8509,
95.0177

78.6905, 68.7447,
98.9341

85.4484, 81.6051,
103.2076

93.2398, 96.5233,
107.8534

Harmonies

Analogous

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



42.3818, 27.5298, 143.4104



55.9140, 27.5298, 77.9681



60.7983, 27.5298, 26.9322

Triad

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



55.9140, 27.5298, 77.9681



25.0809, 27.5298, 0.0000



10.0123, 27.5298, 88.7574

Complementary

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



55.9140, 27.5298, 77.9681



36.5043, 71.8511, 14.3304

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.



8.0655, 27.5298, 33.2394



55.9140, 27.5298, 77.9681



14.7254, 27.5298, 0.9364

Square

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



55.9140, 27.5298, 77.9681



39.8064, 27.5298, 0.6176



9.4433, 27.5298, 7.3091



16.0635, 27.5298, 152.5483

Rectangle

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



55.9140, 27.5298, 77.9681



57.5044, 27.5298, 9.8300



9.4433, 27.5298, 7.3091



8.9701, 27.5298, 67.4488

Sweetspot

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



55.9145, 27.5309, 77.9686



75.1954, 62.1342, 96.5989



19.3192, 8.2464, 95.1812



15.5887, 12.3463, 20.3241



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.



55.9145, 27.5309, 77.9686



55.3765, 26.9146, 76.3719



44.5290, 22.9767, 18.0129



18.7080, 18.2665, 22.3454



28.9679, 14.0765, 40.0771



2.8426, 1.3794, 4.0186

Inverse Universe

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



55.9145, 27.5309, 77.9686



55.3765, 26.9146, 76.3719



42.4832, 74.2427, 45.8149



18.7080, 18.2665, 22.3454



28.9679, 14.0765, 40.0771



2.8426, 1.3794, 4.0186

Previews

White Background



This preview shows how the XYZ color 55.9140, 27.5298, 77.9681 looks on a white background.

Color Contrast Check

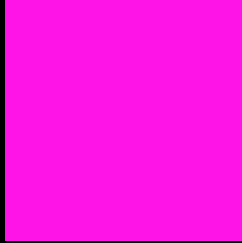
Large Text (above 18pt) WCAG AA ✓ Pass

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, 27.5298, 77.9681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

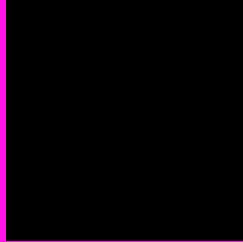
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 55.9140, 27.5298, 77.9681

Background



This preview shows how black text looks on a background with the XYZ color 55.9140, 27.5298, 77.9681.



This preview shows how white text looks on a background with the XYZ color 55.9140, 27.5298,

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, 27.5298, 77.9681

Protanopia

31.4526, 28.0509, 98.3644

Deuteranopia

28.6535, 27.9059, 69.5218



Tritanopia

42.6497, 27.4134, 14.5987

Trichromacy



Original Color

55.9140, 27.5298, 77.9681



Protanomaly

33.2118, 21.4091, 89.5707



Deuteranomaly

32.4528, 21.6907, 71.5835



Tritanomaly

45.4943, 25.7459, 29.7658

Monochromacy



Original Color

55.9140, 27.5298, 77.9681



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

24.4715, 16.1710, 33.7298

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.9140, 27.5298, 77.9681 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, 20, 231)` looks like.

```
.text, #text, p{  
    color:rgb(255, 20, 231)  
}
```

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, 20, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 20, 231) }
```

Border

The CSS property to change the border of an element to XYZ 55.9140, 27.5298, 77.9681 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, 20, 231) }
```


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

```
.border{ border-color:rgb(255, 20, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 20, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 20, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 20, 231);  
box-shadow:4px 4px 4px 4px rgb(255, 20,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 55.9140, 27.5298, 77.9681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 20, 231) }
```

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

```
.background{ background-color: rgb(255, 20,  
231) }
```

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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