

Converting Colors

XYZ(55.2079, 27.0725, 74.7895)

Have a look what the booklet for
XYZ(55.2079, 27.0725, 74.7895)
contains.

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Color

**XYZ(55.2491, 27.0939,
74.9907)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0DE3
RGB	255, 13, 227
RGB Percent	100%, 5%, 89%
CMY	0.0000, 0.9489, 0.1098
CMYK	0.00, 0.95, 0.11, 0.00
HSL	307°, 100%, 53%
HSV	307°, 95%, 100%
XYZ	55.2491, 27.0939, 74.9907
YIQ	109.7540, 75.5380, 117.8580

Conversions

Conversions Part 2

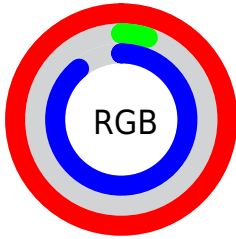
Format	Color
RYB	255, 13, 227
Decimal	16715235
CIELab	59.06, 93.75, -47.21
CIELCh	59, 104.960, 333.272
Yxy	27.0939, 0.3512, 0.1722
Android (android.graphics.Color)	4294905315 (0xFFFF0DE3)
YUV	109.7540, 57.8023, 127.3807
Hunter-Lab	52.0518, 98.3738, -48.9825

Details

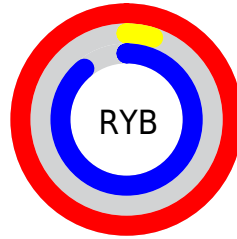
The XYZ color **55.2491, 27.0939, 74.9907** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **36.3276, 71.7663, 14.0393**, and the grayscale version is **14.5825, 15.3420, 16.7074**.

A 20% lighter version of the original color is **64.4440, 38.7881, 98.6980**, and **29.3430, 14.2777, 39.7374** is the 20% darker color. If you saturate the color by 10%, you get **54.8977, 26.7231, 73.8505**, and if you desaturate by 10%, it is **56.2267, 28.3916, 77.3437**.

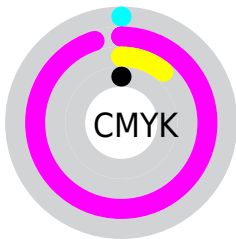
Distribution



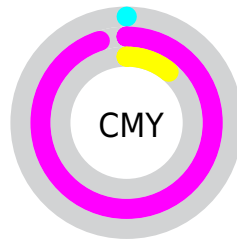
- Red (100%)
- Green (5%)
- Blue (89%)



- Red (100%)
- Yellow (5%)
- Blue (89%)



- Cyan (0%)
- Magenta (95%)
- Yellow (11%)
- Black (0%)





- Cyan (0%)
- Magenta (95%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.2491, 27.0939, 74.9907 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 55.2491, 27.0939, 74.9907 by changing the saturation by 10% instead.


 55.2491, 27.0939,
74.9907


 55.2491, 27.0939,
74.9907


396.9766,
288.1115, 497.1402

 39.8358, 17.6438,
55.1036


 97.0520, 55.0345,
128.0462

 27.5942, 10.6945,
39.0855

 124.1724, 74.2938,
162.0516


 18.1589, 5.8618,
26.5179


 155.9258, 97.5915,
201.6002

 11.1645, 2.7612,
16.9823

 192.6777,
125.3122, 247.1106

 6.2457, 1.0084,
10.0600

 234.7933,
157.8401, 299.0012

 3.0371, 0.0000,
5.3326

282.6381,

 1.1734, 0.0000,

195.5597, 357.6907

2.3816

336.5774,
238.8553, 423.5975

■ 0.0852, 0.0000,
0.7764

■ 0.0000, 0.0000,
0.0000

■ 55.2491, 27.0939,
74.9907

■ 55.2491, 27.0939,
74.9907

■ 54.8977, 26.7231,
73.8505

■ 56.2267, 28.3916,
77.3437

■ 57.7698, 30.8092,
79.9195

■ 59.9767, 34.5430,
82.7513

■ 62.9266, 39.7516,
85.8658

66.6878, 46.5712,
89.2858

71.3205, 55.1226,
93.0316

76.8794, 65.5148,
97.1215

83.4146, 77.8480,
101.5725

90.9726, 92.2153,
106.4002

Harmonies

Analogous

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



42.0939, 27.0939, 139.4031



55.2491, 27.0939, 74.9907



59.7529, 27.0939, 25.5908

Triad

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



55.2491, 27.0939, 74.9907



24.3478, 27.0939, 0.0000



9.9672, 27.0939, 88.9983

Complementary

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



55.2491, 27.0939, 74.9907



36.3276, 71.7663, 14.0393

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.



7.9593, 27.0939, 33.7898



55.2491, 27.0939, 74.9907



14.3042, 27.0939, 0.9841

Square

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



55.2491, 27.0939, 74.9907



38.7488, 27.0939, 0.5652



9.2267, 27.0939, 7.5619



16.0445, 27.0939, 151.2601

Rectangle

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



55.2491, 27.0939, 74.9907



56.3186, 27.0939, 9.2582



9.2267, 27.0939, 7.5619



8.9082, 27.0939, 67.9173

Sweetspot

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



55.2496, 27.0950, 74.9912



75.0455, 62.0742, 95.8096



18.9660, 7.9067, 95.1343



15.5519, 12.3316, 20.1304



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.



55.2496, 27.0950, 74.9912



54.8977, 26.7231, 73.8505



44.1895, 22.6709, 16.7490



18.6968, 18.2620, 22.2865



28.7213, 13.9778, 38.7786



2.8211, 1.3708, 3.9053

Inverse Universe

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



55.2496, 27.0950, 74.9912



54.8977, 26.7231, 73.8505



42.1169, 74.0820, 44.5253



18.6968, 18.2620, 22.2865



28.7213, 13.9778, 38.7786



2.8211, 1.3708, 3.9053

Previews

White Background



This preview shows how the XYZ color 55.2491, 27.0939, 74.9907 looks on a white background.

Color Contrast Check

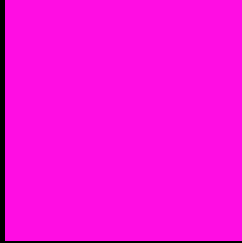
Large Text (above 18pt) WCAG AA ✓ Pass

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 55.2491, 27.0939, 74.9907 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 55.2491, 27.0939, 74.9907

Background



This preview shows how black text looks on a background with the XYZ color 55.2491, 27.0939, 74.9907.



This preview shows how white text looks on a background with the XYZ color 55.2491, 27.0939,

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

55.2491, 27.0939, 74.9907

Protanopia

31.1204, 27.6637, 98.3071

Deuteranopia

28.2388, 27.5296, 66.7762



Tritanopia

42.6839, 27.1932, 13.8256

Trichromacy



Original Color

55.2491, 27.0939, 74.9907



Protanomaly

32.4284, 20.6243, 88.6579



Deuteranomaly

31.8514, 21.0329, 68.7107



Tritanomaly

45.0383, 25.2026, 28.4774

Monochromacy



Original Color

55.2491, 27.0939, 74.9907



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

23.3701, 15.1186, 31.8234

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.2491, 27.0939, 74.9907 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, 13, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 13, 227)  
}
```

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, 13, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 13, 227) }
```

Border

The CSS property to change the border of an element to XYZ 55.2491, 27.0939, 74.9907 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, 13, 227) }
```


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

```
.border{ border-color:rgb(255, 13, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 13, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 13, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 13, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 13,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 55.2491, 27.0939, 74.9907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 13, 227) }
```

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

```
.background{ background-color: rgb(255, 13,  
227) }
```

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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