

Converting Colors

XYZ(55.5568, 29.2424, 87.7819)

Have a look what the booklet for
XYZ(55.5568, 29.2424, 87.7819)
contains.

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Color

**XYZ(55.5026, 29.2210,
87.5089)**

Conversions

Conversions Part 1

Format	Color
Hex	F53DF3
RGB	245, 61, 243
RGB Percent	96%, 24%, 95%
CMY	0.0392, 0.7607, 0.0471
CMYK	0.00, 0.75, 0.01, 0.04
HSL	301°, 90%, 60%
HSV	301°, 75%, 96%
XYZ	55.5026, 29.2210, 87.5089
YIQ	136.7640, 51.2420, 95.6100

Conversions

Conversions Part 2

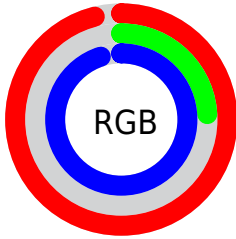
Format	Color
R _Y B	245, 61, 243
Decimal	16072179
CIE Lab	60.98, 86.13, -53.23
CIE LCh	61, 101.250, 328.282
Yxy	29.2210, 0.3223, 0.1697
Android (android.graphics.Color)	4294262259 (0xFFFF53DF3)
YUV	136.7640, 52.3743, 94.9230
Hunter-Lab	54.0565, 88.6765, -58.1417

Details

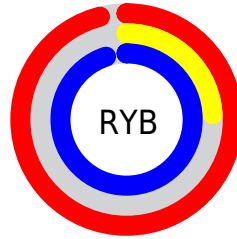
The XYZ color **55.5026, 29.2210, 87.5089** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **35.4754, 66.6572, 15.7006**, and the grayscale version is **23.4862, 24.7093, 26.9084**.

A 20% lighter version of the original color is **66.8794, 43.6587, 99.5098**, and **28.6301, 13.7355, 47.5966** is the 20% darker color. If you saturate the color by 10%, you get **54.4407, 27.1606, 86.9567**, and if you desaturate by 10%, it is **57.1635, 32.4775, 88.2615**.

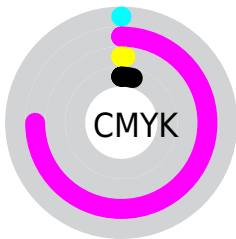
Distribution



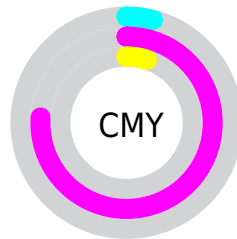
- Red (96%)
- Green (24%)
- Blue (95%)



- Red (96%)
- Yellow (24%)
- Blue (95%)



- Cyan (0%)
- Magenta (75%)
- Yellow (1%)
- Black (4%)




- Cyan (4%)
- Magenta (76%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.5026, 29.2210, 87.5089 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 55.5026, 29.2210, 87.5089 by changing the saturation by 10% instead.


 55.5026, 29.2210,
87.5089


 55.5026, 29.2210,
87.5089

397.9198,
298.2563, 540.2532


 40.0397, 19.2481,
65.3544


 97.4210, 58.4280,
145.7784


 27.7538, 11.8497,
47.2953


 124.6072, 78.4309,
182.7304


 18.2797, 6.6414,
32.9132


 156.4319,
102.5459, 225.4521

 11.2519, 3.2389,
21.7894

 193.2604,
131.1574, 274.3619

 6.3051, 1.2577,
13.5054

 235.4580,
164.6498, 329.8783

 3.0739, 0.1081,
7.6427

283.3903,

 1.1929, 0.0000,

203.4075, 392.4200

3.7827

337.4224,
247.8148, 462.4055

■ 0.1008, 0.0000,
1.5069

■ 0.0000, 0.0000,
0.2231

■ 55.5026, 29.2210,
87.5089

■ 55.5026, 29.2210,
87.5089

■ 54.4407, 27.1606,
86.9567

■ 57.1635, 32.4775,
88.2615


■ 53.8857, 26.1149,
86.5736


■ 59.4921, 37.0701,
89.2366


■ 53.7344, 25.8438,
86.4262


■ 62.5513, 43.1238,
90.4556


■ 66.3958, 50.7482,
91.9367

 71.0754, 60.0425,
93.6964

 76.6355, 71.0977,
95.7499

 83.1182, 83.9982,
98.1113

 89.9184, 97.5334,
100.5787

 89.9592, 97.5497,
100.7933

Harmonies

Analogous

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



41.6467, 29.2210, 148.6731



55.5026, 29.2210, 87.5089



61.7288, 29.2210, 34.0505

Triad

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



55.5026, 29.2210, 87.5089



28.5431, 29.2210, 0.2745



10.8608, 29.2210, 80.2930

Complementary

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



55.5026, 29.2210, 87.5089



35.4754, 66.6572, 15.7006

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.



9.3228, 29.2210, 29.6828



55.5026, 29.2210, 87.5089



17.3844, 29.2210, 1.1245

Square

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



55.5026, 29.2210, 87.5089



43.4007, 29.2210, 1.3764



11.2736, 29.2210, 6.8351



16.4360, 29.2210, 142.6535

Rectangle

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



55.5026, 29.2210, 87.5089



59.5878, 29.2210, 14.0046



11.2736, 29.2210, 6.8351



9.9507, 29.2210, 60.5619

Sweetspot

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



55.5037, 29.2224, 87.5095



79.0064, 68.0769, 103.0463



20.0760, 10.9236, 87.4379



16.4750, 13.7054, 21.8940



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.



55.5037, 29.2224, 87.5095



59.2491, 29.0371, 94.9966



45.0762, 25.0513, 32.5990



17.2054, 16.7650, 20.8283



28.9510, 13.9239, 46.5780



2.5470, 1.2248, 4.1068

Inverse Universe

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



55.5037, 29.2224, 87.5095



59.2491, 29.0371, 94.9966



40.3282, 68.5983, 41.2547



17.2054, 16.7650, 20.8283



28.9510, 13.9239, 46.5780



2.5470, 1.2248, 4.1068

Previews

White Background



This preview shows how the XYZ color 55.5026, 29.2210, 87.5089 looks on a white background.

Color Contrast Check

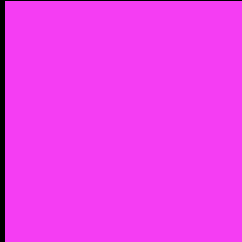
Large Text (above 18pt) WCAG AA ✓ Pass

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 55.5026, 29.2210, 87.5089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

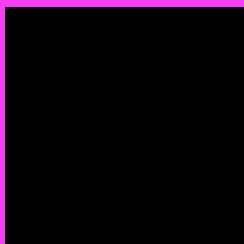
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 55.5026, 29.2210, 87.5089

Background



This preview shows how black text looks on a background with the XYZ color 55.5026, 29.2210, 87.5089.



This preview shows how white text looks on a background with the XYZ color 55.5026, 29.2210,

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

55.5026, 29.2210, 87.5089

Protanopia

32.8471, 29.6533, 98.6002

Deuteranopia

30.3102, 29.4642, 78.9525



Tritanopia

41.4699, 28.9750, 19.9300

Trichromacy



Original Color

55.5026, 29.2210, 87.5089



Protanomaly

36.0076, 25.4837, 94.2878



Deuteranomaly

34.7584, 25.4575, 81.6791



Tritanomaly

44.8547, 27.9237, 37.2081

Monochromacy



Original Color

55.5026, 29.2210, 87.5089



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

31.2096, 23.3020, 43.9271

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.5026, 29.2210, 87.5089 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(245, 61, 243)` looks like.

```
.text, #text, p{  
    color:rgb(245, 61, 243)  
}
```

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(245, 61, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 61, 243) }
```

Border

The CSS property to change the border of an element to XYZ 55.5026, 29.2210, 87.5089 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(245, 61, 243) }
```


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

```
.border{ border-color:rgb(245, 61, 243) }
```

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

Here you see how a box with a 4 pixel rgb(245, 61, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 61, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 61, 243);  
box-shadow:4px 4px 4px 4px rgb(245, 61,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 55.5026, 29.2210, 87.5089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 61, 243) }
```

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

```
.background{ background-color: rgb(245, 61,  
243) }
```

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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