

Converting Colors

XYZ(55.4228, 26.9331, 76.6156)

Have a look what the booklet for
XYZ(55.4228, 26.9331, 76.6156)
contains.

XYZ(55.3829, 26.9171, 76.4053)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(55.3829, 26.9171,
76.4053)**

Conversions

Conversions Part 1

Format	Color
Hex	FF00E5
RGB	255, 0, 229
RGB Percent	100%, 0%, 90%
CMY	0.0000, 0.9998, 0.1020
CMYK	0.00, 1.00, 0.10, 0.00
HSL	306°, 100%, 50%
HSV	306°, 100%, 100%
XYZ	55.3829, 26.9171, 76.4053
YIQ	102.3510, 78.4710, 125.2790

Conversions

Conversions Part 2

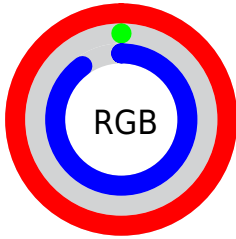
Format	Color
R_{YB}	255, 0, 229
Decimal	16711909
CIE _{Lab}	58.90, 94.79, -48.59
CIE _{LCh}	59, 106.517, 332.858
Yxy	26.9171, 0.3490, 0.1696
Android (android.graphics.Color)	4294901989 (0xFFFF00E5)
YUV	102.3510, 62.4380, 133.8732
Hunter-Lab	51.8817, 99.7530, -50.9982

Details

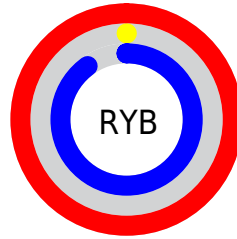
The XYZ color **55.3829, 26.9171, 76.4053** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **35.9476, 71.5951, 12.9046**, and the grayscale version is **12.5555, 13.2094, 14.3850**.

A 20% lighter version of the original color is **64.2403, 38.3806, 98.6301**, and **29.5351, 14.3546, 40.7492** is the 20% darker color. If you saturate the color by 10%, you get **55.3823, 26.9169, 76.4021**, and if you desaturate by 10%, it is **56.1083, 27.7824, 78.4523**.

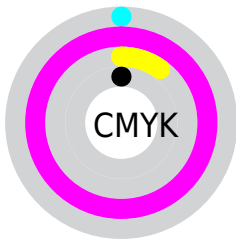
Distribution



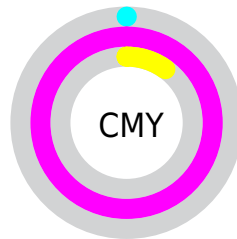
- Red (100%)
- Green (0%)
- Blue (90%)



- Red (100%)
- Yellow (0%)
- Blue (90%)



- Cyan (0%)
- Magenta (100%)
- Yellow (10%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.3829, 26.9171, 76.4053 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 55.3829, 26.9171, 76.4053 by changing the saturation by 10% instead.


 55.3829, 26.9171,
76.4053


 55.3829, 26.9171,
76.4053


397.4746,
287.2555, 502.1177


 39.9434, 17.5110,
56.2563


 97.2468, 54.7508,
130.0650


 27.6784, 10.5995,
40.0031

 124.4019, 73.9472,
164.4127


 18.2226, 5.7982,
27.2271


 156.1930, 97.1758,
204.3305

 11.2106, 2.7228,
17.5099

 192.9853,
124.8209, 250.2367

 6.2770, 0.9888,
10.4329

 235.1443,
157.2671, 302.5500

 3.0565, 0.0000,
5.5776

283.0352,

 1.1837, 0.0000,

194.8987, 361.6889

2.5254

337.0236,
238.1000, 428.0720

■ 0.0934, 0.0000,
0.8536

■ 0.0000, 0.0000,
0.0000

■ 55.3829, 26.9171,
76.4053

■ 55.3829, 26.9171,
76.4053

■ 55.3823, 26.9169,
76.4021

■ 56.1083, 27.7824,
78.4523

■ 57.3061, 29.5838,
80.6835

■ 59.1194, 32.6074,
83.1469

■ 61.6355, 37.0278,
85.8718

64.9276, 42.9914,
88.8826

69.0598, 50.6262,
92.2008

74.0894, 60.0468,
95.8457

80.0686, 71.3579,
99.8347

87.0457, 84.6557,
104.1842

Harmonies

Analogous

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



41.9298, 26.9171, 142.1925



55.3829, 26.9171, 76.4053



60.1261, 26.9171, 25.8385

Triad

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



55.3829, 26.9171, 76.4053



24.3418, 26.9171, 0.0000



9.6627, 26.9171, 88.8945

Complementary

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



55.3829, 26.9171, 76.4053



35.9476, 71.5951, 12.9046

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.



7.7108, 26.9171, 33.0752



55.3829, 26.9171, 76.4053



14.1571, 26.9171, 0.8440

Square

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



55.3829, 26.9171, 76.4053



38.9625, 26.9171, 0.4726



9.0178, 26.9171, 7.1109



15.6830, 26.9171, 152.8102

Rectangle

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



55.3829, 26.9171, 76.4053



56.7324, 26.9171, 9.1985



9.0178, 26.9171, 7.1109



8.6245, 26.9171, 67.4715

Sweetspot

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



55.3834, 26.9182, 76.4058



74.0793, 60.0278, 95.8387



18.4649, 7.4347, 95.0696



15.3781, 11.9505, 20.1758



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.



55.3834, 26.9182, 76.4058



55.3823, 26.9169, 76.4021



43.6402, 22.2209, 14.5667



18.7081, 18.2666, 22.3461



28.9709, 14.0776, 40.0927



2.8429, 1.3795, 4.0200

Inverse Universe

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



55.3834, 26.9182, 76.4058



55.3823, 26.9169, 76.4021



41.5119, 73.8208, 42.2061



18.7081, 18.2666, 22.3461



28.9709, 14.0776, 40.0927



2.8429, 1.3795, 4.0200

Previews

White Background



This preview shows how the XYZ color 55.3829, 26.9171, 76.4053 looks on a white background.

Color Contrast Check

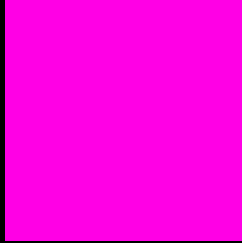
Large Text (above 18pt) WCAG AA ✓ Pass

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 55.3829, 26.9171, 76.4053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

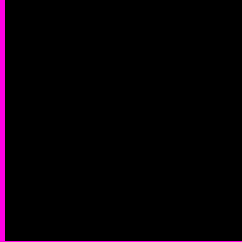
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 55.3829, 26.9171, 76.4053

Background



This preview shows how black text looks on a background with the XYZ color 55.3829, 26.9171, 76.4053.



This preview shows how white text looks on a background with the XYZ color 55.3829, 26.9171,

76.4053.

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

55.3829, 26.9171, 76.4053

Protanopia

31.1204, 27.6637, 98.3071

Deuteranopia

28.2454, 27.5035, 68.1100



Tritanopia

42.3854, 27.0341, 14.0505

Trichromacy



Original Color

55.3829, 26.9171, 76.4053



Protanomaly

32.1569, 19.8363, 89.3227



Deuteranomaly

31.4747, 20.1610, 69.9427



Tritanomaly

44.8549, 24.7140, 28.7917

Monochromacy



Original Color

55.3829, 26.9171, 76.4053



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 55.3829, 26.9171, 76.4053 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, 229)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 229)  
}
```

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, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 229) }
```

Border

The CSS property to change the border of an element to XYZ 55.3829, 26.9171, 76.4053 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, 229) }
```


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

```
.border{ border-color:rgb(255, 0, 229) }
```

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, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 55.3829, 26.9171, 76.4053 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, 229) }
```

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

```
.background{ background-color: rgb(255, 0,  
229) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor