

Converting Colors

XYZ(56.7123, 29.2581, 97.2660)

Have a look what the booklet for
XYZ(56.7123, 29.2581, 97.2660)
contains.

XYZ(56.7724, 29.2814, 97.2674)	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(56.7724, 29.2814,
97.2674)**

Conversions

Conversions Part 1

Format	Color
Hex	F438FF
RGB	244, 56, 255
RGB Percent	96%, 22%, 100%
CMY	0.0431, 0.7804, 0.0000
CMYK	0.04, 0.78, 0.00, 0.00
HSL	297°, 100%, 61%
HSV	297°, 78%, 100%
XYZ	56.7724, 29.2814, 97.2674
YIQ	134.8980, 48.1690, 101.7450

Conversions

Conversions Part 2

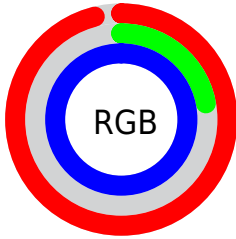
Format	Color
R _Y B	244, 56, 255
Decimal	16005375
CIE Lab	61.03, 89.06, -59.81
CIE LCh	61, 107.282, 326.117
Yxy	29.2814, 0.3097, 0.1597
Android (android.graphics.Color)	4294195455 (0xFFFF438FF)
YUV	134.8980, 59.2103, 95.6825
Hunter-Lab	54.1123, 92.5784, -68.6958

Details

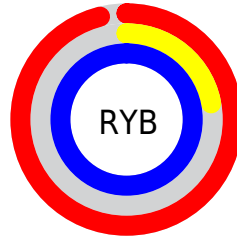
The XYZ color **56.7724, 29.2814, 97.2674** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **38.7893, 72.9992, 15.7884**, and the grayscale version is **22.7686, 23.9543, 26.0863**.

A 20% lighter version of the original color is **66.4977, 42.8953, 99.3826**, and **29.6065, 14.0985, 53.9842** is the 20% darker color. If you saturate the color by 10%, you get **55.3489, 27.1568, 96.9323**, and if you desaturate by 10%, it is **58.8303, 32.6674, 97.8125**.

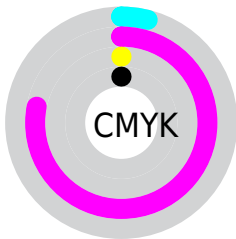
Distribution



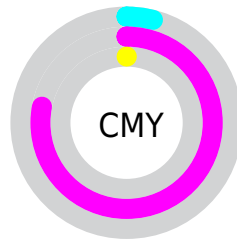
- Red (96%)
- Green (22%)
- Blue (100%)



- Red (96%)
- Yellow (22%)
- Blue (100%)



- Cyan (4%)
- Magenta (78%)
- Yellow (0%)
- Black (0%)




- Cyan (4%)
- Magenta (78%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.7724, 29.2814, 97.2674 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 56.7724, 29.2814, 97.2674 by changing the saturation by 10% instead.


 56.7724, 29.2814,
97.2674


 56.7724, 29.2814,
97.2674

402.6239,
298.5404, 572.5673

 41.0620, 19.2938,
73.4163


 99.2663, 58.5239,
159.4158


 28.5554, 11.8828,
53.8225


 126.7805, 78.5475,
198.5502


 18.8873, 6.6639,
38.0676


 158.9599,
102.6854, 243.6162

 11.6924, 3.2528,
25.7329

 196.1700,
131.3217, 295.0321

 6.6053, 1.2651,
16.4000

 238.7761,
164.8410, 353.2167

 3.2606, 0.1139,
9.6502

287.1435,

 1.2930, 0.0000,

203.6276, 418.5884

5.0651

341.6377,
248.0659, 491.5658

■ 0.1780, 0.0000,
2.2261

■ 0.0000, 0.0000,
0.6894

■ 56.7724, 29.2814,
97.2674

■ 56.7724, 29.2814,
97.2674

■ 55.3489, 27.1568,
96.9323

■ 58.8303, 32.6674,
97.8125

■ 54.4426, 26.0618,
96.7687

■ 61.6032, 37.4789,
98.5950

■ 54.2937, 25.9043,
96.7462

■ 65.1635, 43.8595,
99.6390

■ 69.5737, 51.9343,
100.9651

74.8899, 61.8157,
102.5922

81.1637, 73.6065,
104.5374

88.4426, 87.4018,
106.8166

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



41.4760, 29.2814, 163.7408



56.7724, 29.2814, 97.2674



64.3566, 29.2814, 37.4067

Triad

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



56.7724, 29.2814, 97.2674



29.6985, 29.2814, 0.0000



9.9558, 29.2814, 79.4211

Complementary

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



56.7724, 29.2814, 97.2674



38.7893, 72.9992, 15.7884

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.



8.6596, 29.2814, 26.9308



56.7724, 29.2814, 97.2674



17.5644, 29.2814, 0.6218

Square

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



56.7724, 29.2814, 97.2674



45.7435, 29.2814, 1.1395



10.9051, 29.2814, 5.2944



15.3374, 29.2814, 148.6532

Rectangle

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



56.7724, 29.2814, 97.2674



62.6266, 29.2814, 14.8847



10.9051, 29.2814, 5.2944



9.1262, 29.2814, 58.4990

Sweetspot

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



56.7735, 29.2827, 97.2676



77.9264, 67.5083, 103.5310



21.8265, 12.3512, 95.8414



16.2079, 13.5648, 22.0140



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.



56.7735, 29.2827, 97.2676



54.7580, 26.4036, 96.8181



49.7945, 26.9452, 39.9998



18.6876, 18.2462, 22.7869



28.4126, 13.5577, 50.5540



2.7955, 1.3351, 4.9236

Inverse Universe

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



43.6680, 24.4946, 7.7377



41.6313, 21.6967, 3.1270



42.2918, 74.3212, 37.8016



18.0501, 18.0033, 18.8808



21.6067, 11.1320, 1.3136



2.1174, 1.0893, 0.1998

Previews

White Background



This preview shows how the XYZ color 56.7724, 29.2814, 97.2674 looks on a white background.

Color Contrast Check

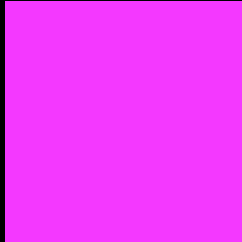
Large Text (above 18pt) WCAG AA ✓ Pass

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 56.7724, 29.2814, 97.2674 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 56.7724, 29.2814, 97.2674

Background



This preview shows how black text looks on a background with the XYZ color 56.7724, 29.2814, 97.2674.



This preview shows how white text looks on a background with the XYZ color 56.7724, 29.2814,

97.2674.

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

56.7724, 29.2814, 97.2674

Protanopia

32.7426, 29.5994, 98.5953

Deuteranopia

30.4916, 29.6054, 87.3264



Tritanopia

40.8409, 28.9538, 20.5756

Trichromacy



Original Color

56.7724, 29.2814, 97.2674



Protanomaly

36.2386, 25.1979, 97.5614



Deuteranomaly

34.4423, 24.9350, 90.1864

Tritanomaly

44.6557, 27.6319, 40.0257

Monochromacy



Original Color

56.7724, 29.2814, 97.2674



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

30.9699, 22.6767, 45.3926

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.7724, 29.2814, 97.2674 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(244, 56, 255)` looks like.

```
.text, #text, p{  
    color:rgb(244, 56, 255)  
}
```

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(244, 56, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 56, 255) }
```

Border

The CSS property to change the border of an element to XYZ 56.7724, 29.2814, 97.2674 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(244, 56, 255) }
```


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

```
.border{ border-color:rgb(244, 56, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 56, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 56, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 56, 255);  
box-shadow:4px 4px 4px 4px rgb(244, 56,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 56.7724, 29.2814, 97.2674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 56, 255) }
```

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

```
.background{ background-color: rgb(244, 56,  
255) }
```

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