

Converting Colors

XYZ(42.7138, 22.4244, 96.6848)

Have a look what the booklet for
XYZ(42.7138, 22.4244, 96.6848)
contains.

XYZ(42.7447, 22.4278, 96.6838)	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(42.7447, 22.4278,
96.6838)**

Conversions

Conversions Part 1

Format	Color
Hex	C53DFF
RGB	197, 61, 255
RGB Percent	77%, 24%, 100%
CMY	0.2274, 0.7608, 0.0000
CMYK	0.23, 0.76, 0.00, 0.00
HSL	282°, 100%, 62%
HSV	282°, 76%, 100%
XYZ	42.7447, 22.4278, 96.6838
YIQ	123.7800, 18.7820, 89.1660

Conversions

Conversions Part 2

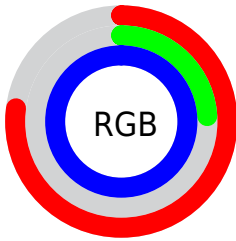
Format	Color
R _Y B	197, 61, 255
Decimal	12926463
CIE Lab	54.48, 79.29, -70.72
CIE LCh	54, 106.246, 318.271
Yxy	22.4278, 0.2641, 0.1386
Android (android.graphics.Color)	4291116543 (0xFFC53DFF)
YUV	123.7800, 64.6915, 64.2139
Hunter-Lab	47.3580, 78.2352, -87.8930

Details

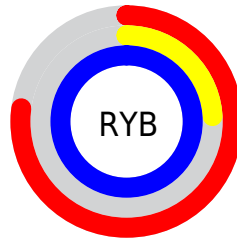
The XYZ color **42.7447, 22.4278, 96.6838** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **44.2103, 75.7790, 16.7121**, and the grayscale version is **18.8738, 19.8567, 21.6239**.

A 20% lighter version of the original color is **66.2495, 42.3991, 99.2998**, and **20.3946, 9.3496, 53.5531** is the 20% darker color. If you saturate the color by 10%, you get **39.7465, 19.3193, 96.2419**, and if you desaturate by 10%, it is **46.4921, 26.8824, 97.3462**.

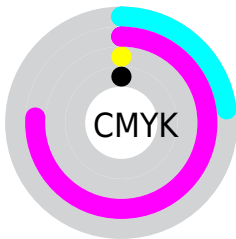
Distribution



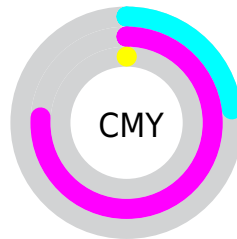
- Red (77%)
- Green (24%)
- Blue (100%)



- Red (77%)
- Yellow (24%)
- Blue (100%)



- Cyan (23%)
- Magenta (76%)
- Yellow (0%)
- Black (0%)





- Cyan (23%)
- Magenta (76%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.7447, 22.4278, 96.6838 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 42.7447, 22.4278, 96.6838 by changing the saturation by 10% instead.

 42.7447, 22.4278,
96.6838


 42.7447, 22.4278,
96.6838

348.5001,
264.7723, 570.6630


 29.8785, 14.1716,
72.9326


 78.5836, 47.4520,
158.6043

 19.8940, 8.2401,
53.4294


 102.2870, 64.9889,
197.6107


 12.4258, 4.2490,
37.7556


 130.3335, 86.3880,
242.5393

 7.1086, 1.8138,
25.4927

 163.0885,
112.0338, 293.8085

 3.5771, 0.4957,
16.2221

 200.9172,
142.3108, 351.8369

 1.4658, 0.0000,
9.5254

244.1852,

 0.3024, 0.0000,

177.6033, 417.0431

4.9840

293.2577,
218.2956, 489.8457

■ 0.0000, 0.0000,
2.1793

■ 0.0000, 0.0000,
0.6624

■ 42.7447, 22.4278,
96.6838

■ 42.7447, 22.4278,
96.6838

■ 39.7465, 19.3193,
96.2419

■ 46.4921, 26.8824,
97.3462

■ 37.3924, 17.3526,
95.9863

■ 51.0681, 32.8434,
98.2556

■ 36.5862, 16.7758,
95.9175

■ 56.5444, 40.4508,
99.4353

■ 62.9834, 49.8276,
100.9058

70.4418, 61.0848,
102.6856

78.9714, 74.3243,
104.7915

88.6204, 89.6405,
107.2393

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.



29.1258, 22.4278, 149.7263



42.7447, 22.4278, 96.6838



51.5715, 22.4278, 39.8938

Triad

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



42.7447, 22.4278, 96.6838



26.1948, 22.4278, 0.0000



6.3509, 22.4278, 50.5093

Complementary

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



42.7447, 22.4278, 96.6838



44.2103, 75.7790, 16.7121

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.



6.0608, 22.4278, 13.5756



42.7447, 22.4278, 96.6838



15.0457, 22.4278, 0.0000

Square

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



42.7447, 22.4278, 96.6838



39.9389, 22.4278, 1.0245



8.6028, 22.4278, 1.7837



9.6263, 22.4278, 110.2031

Rectangle

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



42.7447, 22.4278, 96.6838



51.9951, 22.4278, 16.3162



8.6028, 22.4278, 1.7837



5.9600, 22.4278, 34.8417

Sweetspot

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



42.7457, 22.4286, 96.6840



72.9498, 64.9428, 103.2981



26.5957, 21.4542, 97.3471



14.9862, 12.9350, 21.9568



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.



42.7457, 22.4286, 96.6840



38.5144, 18.2232, 96.0952



55.3296, 29.5662, 67.8926



18.2329, 18.0118, 22.7656



19.2748, 8.8470, 50.1263



1.9870, 0.9182, 4.8858

Inverse Universe

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



46.2388, 25.9298, 20.0210



43.4914, 22.6492, 12.2790



39.9754, 73.4285, 24.0729



18.2328, 18.0764, 19.8432



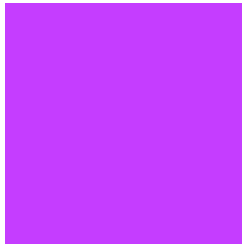
22.2917, 11.4060, 4.9206



2.2162, 1.1288, 0.7198

Previews

White Background



This preview shows how the XYZ color 42.7447, 22.4278, 96.6838 looks on a white background.

Color Contrast Check

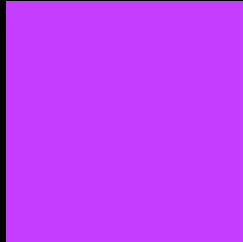
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.7447, 22.4278, 96.6838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

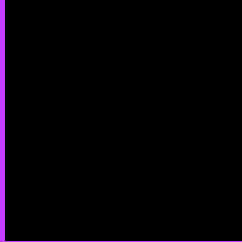
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.7447, 22.4278, 96.6838

Background



This preview shows how black text looks on a background with the XYZ color 42.7447, 22.4278, 96.6838.



This preview shows how white text looks on a background with the XYZ color 42.7447, 22.4278,

96.6838.

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

42.7447, 22.4278, 96.6838

Protanopia

26.7298, 22.7701, 97.5940

Deuteranopia

23.2388, 22.7156, 81.0016



Tritanopia

27.0888, 22.1745, 20.6217

Trichromacy



Original Color

42.7447, 22.4278, 96.6838



Protanomaly

28.2809, 19.5475, 96.8902



Deuteranomaly

23.9572, 18.3039, 86.2747



Tritanomaly

30.8429, 20.8836, 39.9415

Monochromacy



Original Color

42.7447, 22.4278, 96.6838



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

24.8626, 18.8652, 41.3607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7447, 22.4278, 96.6838 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(197, 61, 255)` looks like.

```
.text, #text, p{  
    color:rgb(197, 61, 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(197, 61, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 61, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.7447, 22.4278, 96.6838 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(197, 61, 255) }
```


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

```
.border{ border-color:rgb(197, 61, 255) }
```

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

Here you see how a box with a 4 pixel rgb(197, 61, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 61, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 61, 255);  
box-shadow:4px 4px 4px 4px rgb(197, 61,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7447, 22.4278, 96.6838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 61, 255) }
```

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

```
.background{ background-color: rgb(197, 61,  
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