

Converting Colors

XYZ(42.6295, 21.3038, 96.4730)

Have a look what the booklet for
XYZ(42.6295, 21.3038, 96.4730)
contains.

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Color

**XYZ(42.5416, 21.2389,
96.4651)**

Conversions

Conversions Part 1

Format	Color
Hex	C72DFF
RGB	199, 45, 255
RGB Percent	78%, 18%, 100%
CMY	0.2196, 0.8235, 0.0000
CMYK	0.22, 0.82, 0.00, 0.00
HSL	284°, 100%, 59%
HSV	284°, 82%, 100%
XYZ	42.5416, 21.2389, 96.4651
YIQ	114.9860, 24.3740, 97.9580

Conversions

Conversions Part 2

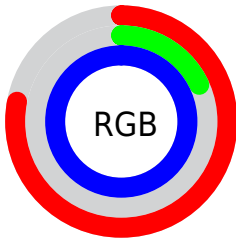
Format	Color
R _{YB}	199, 45, 255
Decimal	13053439
CIE Lab	53.21, 84.15, -72.76
CIE LCh	53, 111.244, 319.151
Yxy	21.2389, 0.2655, 0.1325
Android (android.graphics.Color)	4291243519 (0xFFC72DFF)
YUV	114.9860, 69.0269, 73.6803
Hunter-Lab	46.0857, 84.1231, -91.8440

Details

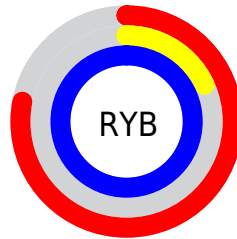
The XYZ color **42.5416, 21.2389, 96.4651** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **41.6008, 74.4763, 14.6659**, and the grayscale version is **16.0853, 16.9230, 18.4291**.

A 20% lighter version of the original color is **64.9744, 39.8489, 98.8748**, and **20.7255, 9.5202, 53.5685** is the 20% darker color. If you saturate the color by 10%, you get **40.0812, 18.9360, 96.1502**, and if you desaturate by 10%, it is **45.6708, 24.7574, 96.9793**.

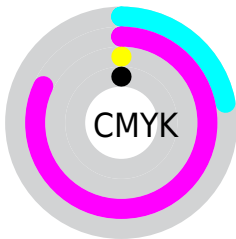
Distribution



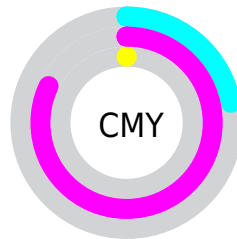
- Red (78%)
- Green (18%)
- Blue (100%)



- Red (78%)
- Yellow (18%)
- Blue (100%)



- Cyan (22%)
- Magenta (82%)
- Yellow (0%)
- Black (0%)





- Cyan (22%)
- Magenta (82%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.5416, 21.2389, 96.4651 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 42.5416, 21.2389, 96.4651 by changing the saturation by 10% instead.


 42.5416, 21.2389,
96.4651


 42.5416, 21.2389,
96.4651

347.6767,
258.5454, 569.9485

 29.7186, 13.2987,
72.7514


 78.2787, 45.4848,
158.3001


 19.7721, 7.6346,
53.2821


 101.9235, 62.5593,
197.2584


 12.3368, 3.8620,
37.6388


 129.9062, 83.4474,
242.1354

 7.0473, 1.5967,
25.4028

 162.5923,
108.5335, 293.3495

 3.5383, 0.3554,
16.1556

 200.3470,
138.2019, 351.3194

 1.4444, 0.0000,
9.4788

243.5357,

 0.2875, 0.0000,

172.8371, 416.4635

4.9537

292.5239,
212.8235, 489.2003

■ 0.0000, 0.0000,
2.1619

■ 0.0000, 0.0000,
0.6522

■ 42.5416, 21.2389,
96.4651

■ 42.5416, 21.2389,
96.4651

■ 40.0812, 18.9360,
96.1502

■ 45.6708, 24.7574,
96.9793

■ 38.5440, 17.7850,
96.0091

■ 49.5588, 29.6735,
97.7233

■ 54.2836, 36.1404,
98.7225

■ 59.9120, 44.2905,
99.9990

66.5038, 54.2417,
101.5723

74.1132, 66.1011,
103.4603

82.7903, 79.9675,
105.6795

92.5816, 95.9326,
108.2450

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.



28.5390, 21.2389, 153.8235



42.5416, 21.2389, 96.4651



51.4812, 21.2389, 37.5596

Triad

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



42.5416, 21.2389, 96.4651



24.7427, 21.2389, 0.0000



5.4861, 21.2389, 51.4947

Complementary

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



42.5416, 21.2389, 96.4651



41.6008, 74.4763, 14.6659

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.



5.1387, 21.2389, 12.9634



42.5416, 21.2389, 96.4651



13.6476, 21.2389, 0.0000

Square

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



42.5416, 21.2389, 96.4651



38.8533, 21.2389, 0.5308



7.4697, 21.2389, 1.3744



8.7258, 21.2389, 114.6606

Rectangle

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



42.5416, 21.2389, 96.4651



51.6984, 21.2389, 14.2889



7.4697, 21.2389, 1.3744



5.0921, 21.2389, 35.0125

Sweetspot

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



42.5426, 21.2397, 96.4652



71.9954, 62.7680, 102.9286



23.7865, 17.0861, 96.6520



14.8332, 12.5346, 21.8876



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.



42.5426, 21.2397, 96.4652



38.7384, 17.9264, 96.0261



53.3193, 27.5935, 60.9091



18.2924, 18.0425, 22.7684



20.2891, 9.3699, 50.1738



2.0791, 0.9657, 4.8901

Inverse Universe

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



44.5277, 24.0768, 14.6129



42.3690, 21.7559, 7.7388



38.8630, 72.8862, 22.6108



18.2083, 18.0666, 19.7138



22.1463, 11.3478, 4.1549



2.1993, 1.1221, 0.6310

Previews

White Background



This preview shows how the XYZ color 42.5416, 21.2389, 96.4651 looks on a white background.

Color Contrast Check

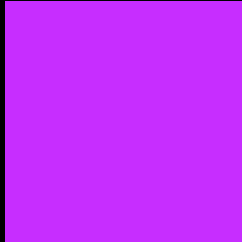
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.5416, 21.2389, 96.4651 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

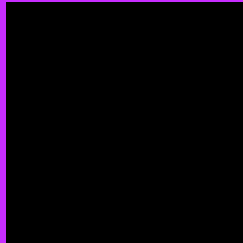
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.5416, 21.2389, 96.4651

Background



This preview shows how black text looks on a background with the XYZ color 42.5416, 21.2389, 96.4651.



This preview shows how white text looks on a background with the XYZ color 42.5416, 21.2389,

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

42.5416, 21.2389, 96.4651

Protanopia

25.6980, 21.6772, 97.4374

Deuteranopia

21.8478, 21.5113, 75.6736



Tritanopia

26.5514, 20.9880, 18.5713

Trichromacy



Original Color

42.5416, 21.2389, 96.4651



Protanomaly

26.5558, 17.6797, 96.6206



Deuteranomaly

22.4204, 16.4158, 82.1077



Tritanomaly

30.2116, 19.4964, 37.7682

Monochromacy



Original Color

42.5416, 21.2389, 96.4651



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

22.3932, 16.1765, 38.0185

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5416, 21.2389, 96.4651 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(199, 45, 255)` looks like.

```
.text, #text, p{  
    color:rgb(199, 45, 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(199, 45, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 45, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.5416, 21.2389, 96.4651 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(199, 45, 255) }
```


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

```
.border{ border-color:rgb(199, 45, 255) }
```

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

Here you see how a box with a 4 pixel rgb(199, 45, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 45, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 45, 255);  
box-shadow:4px 4px 4px 4px rgb(199, 45,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5416, 21.2389, 96.4651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 45, 255) }
```

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

```
.background{ background-color: rgb(199, 45,  
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](#).

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