

Converting Colors

XYZ(42.5932, 22.7910, 96.7619)

Have a look what the booklet for
XYZ(42.5932, 22.7910, 96.7619)
contains.

XYZ(42.5039, 22.7185, 96.7527)	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(42.5039, 22.7185,
96.7527)**

Conversions

Conversions Part 1

Format	Color
Hex	C342FF
RGB	195, 66, 255
RGB Percent	76%, 26%, 100%
CMY	0.2353, 0.7412, 0.0000
CMYK	0.24, 0.74, 0.00, 0.00
HSL	281°, 100%, 63%
HSV	281°, 74%, 100%
XYZ	42.5039, 22.7185, 96.7527
YIQ	126.1170, 16.2150, 86.1270

Conversions

Conversions Part 2

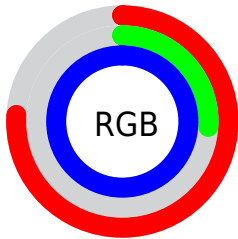
Format	Color
R _Y B	195, 66, 255
Decimal	12796671
CIE Lab	54.78, 77.26, -70.24
CIE LCh	55, 104.420, 317.725
Yxy	22.7185, 0.2624, 0.1403
Android (android.graphics.Color)	4290986751 (0xFFC342FF)
YUV	126.1170, 63.5393, 60.4104
Hunter-Lab	47.6639, 75.7640, -86.9876

Details

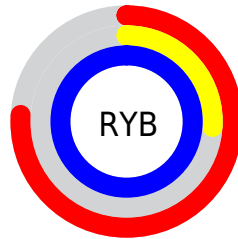
The XYZ color **42.5039, 22.7185, 96.7527** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **45.3477, 76.3490, 17.5015**, and the grayscale version is **19.6590, 20.6828, 22.5236**.

A 20% lighter version of the original color is **66.7509, 43.4017, 99.4670**, and **20.2314, 9.2655, 53.5454** is the 20% darker color. If you saturate the color by 10%, you get **39.2969, 19.3249, 96.2667**, and if you desaturate by 10%, it is **46.4896, 27.4988, 97.4653**.

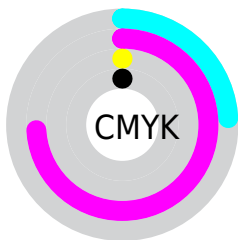
Distribution



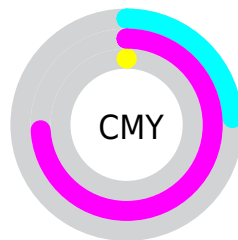
- Red (76%)
- Green (26%)
- Blue (100%)



- Red (76%)
- Yellow (26%)
- Blue (100%)



- Cyan (24%)
- Magenta (74%)
- Yellow (0%)
- Black (0%)





- Cyan (24%)
- Magenta (74%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.5039, 22.7185, 96.7527 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 42.5039, 22.7185, 96.7527 by changing the saturation by 10% instead.

 42.5039, 22.7185,
96.7527

 42.5039, 22.7185,
96.7527

347.5238,
266.2758, 570.8880

 29.6889, 14.3858,
72.9897


 78.2221, 47.9307,
158.7002


 19.7495, 8.3895,
53.4758


 101.8560, 65.5790,
197.7217


 12.3203, 4.3452,
37.7924


 129.8268, 87.1012,
242.6665

 7.0359, 1.8685,
25.5210

 162.5001,
112.8818, 293.9530

 3.5311, 0.5293,
16.2431

 200.2410,
143.3052, 351.9999

 1.4405, 0.0000,
9.5401

243.4151,

 0.2848, 0.0000,

178.7557, 417.2257

4.9935

292.3875,
219.6178, 490.0489

■ 0.0000, 0.0000,
2.1848

■ 0.0000, 0.0000,
0.6656

■ 42.5039, 22.7185,
96.7527

■ 42.5039, 22.7185,
96.7527

■ 39.2969, 19.3249,
96.2667

■ 46.4896, 27.4988,
97.4653

■ 36.7681, 17.1232,
95.9750

■ 51.3310, 33.8208,
98.4304

■ 35.5168, 16.2245,
95.8674

■ 57.0982, 41.8209,
99.6706

■ 63.8527, 51.6197,
101.2059

71.6504, 63.3265,
103.0546

80.5426, 77.0415,
105.2332

90.5770, 92.8582,
107.7572

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.



29.0713, 22.7185, 147.9075



42.5039, 22.7185, 96.7527



51.3110, 22.7185, 40.8406

Triad

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



42.5039, 22.7185, 96.7527



26.6582, 22.7185, 0.0000



6.6111, 22.7185, 49.5421

Complementary

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



42.5039, 22.7185, 96.7527



45.3477, 76.3490, 17.5015

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.



6.3663, 22.7185, 13.5439



42.5039, 22.7185, 96.7527



15.5220, 22.7185, 0.0000

Square

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



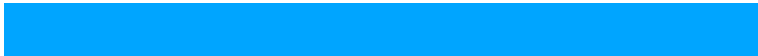
42.5039, 22.7185, 96.7527



40.2050, 22.7185, 1.2216



8.9918, 22.7185, 1.8911



9.8491, 22.7185, 107.7441

Rectangle

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



42.5039, 22.7185, 96.7527



51.8572, 22.7185, 17.1451



8.9918, 22.7185, 1.8911



6.2319, 22.7185, 34.2916

Sweetspot

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



42.5049, 22.7193, 96.7528



73.4393, 66.0583, 103.4876



28.1475, 24.0795, 97.7720



15.2303, 13.3935, 22.0324



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.



42.5049, 22.7193, 96.7528



37.9841, 18.1146, 96.1022



56.5753, 30.5116, 73.0739



18.1990, 17.9943, 22.7640



18.7201, 8.5611, 50.1004



1.9362, 0.8921, 4.8834

Inverse Universe

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



46.9543, 26.6632, 22.4105



43.9613, 23.0148, 14.2061



40.1882, 73.5508, 23.5112



18.2469, 18.0821, 19.9175



22.3834, 11.4426, 5.4033



2.2265, 1.1330, 0.7743

Previews

White Background



This preview shows how the XYZ color 42.5039, 22.7185, 96.7527 looks on a white background.

Color Contrast Check

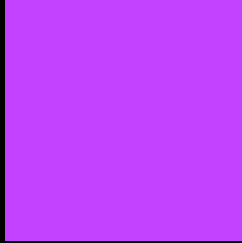
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.5039, 22.7185, 96.7527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

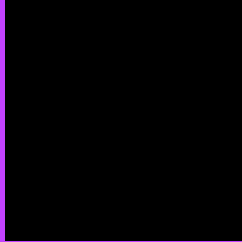
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.5039, 22.7185, 96.7527

Background



This preview shows how black text looks on a background with the XYZ color 42.5039, 22.7185, 96.7527.



This preview shows how white text looks on a background with the XYZ color 42.5039, 22.7185,

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

42.5039, 22.7185, 96.7527

Protanopia

27.0046, 23.1026, 97.6437

Deuteranopia

23.6654, 23.1063, 82.5695



Tritanopia

27.0480, 22.4634, 21.6492

Trichromacy



Original Color

42.5039, 22.7185, 96.7527

Protanomaly

28.6951, 20.2067, 96.9956

Deuteranomaly

24.2448, 18.7479, 87.1349

Tritanomaly

30.9168, 21.4347, 41.0359

Monochromacy



Original Color

42.5039, 22.7185, 96.7527

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

25.2556, 19.4971, 41.9674

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5039, 22.7185, 96.7527 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(195, 66, 255)` looks like.

```
.text, #text, p{  
    color:rgb(195, 66, 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(195, 66, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 66, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.5039, 22.7185, 96.7527 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(195, 66, 255) }
```


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

```
.border{ border-color:rgb(195, 66, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 66, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 66, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 66, 255); box-shadow:4px 4px 4px 4px rgb(195, 66, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5039, 22.7185, 96.7527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 66, 255) }
```

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

```
.background{ background-color: rgb(195, 66,  
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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