

# Converting Colors

XYZ(42.5078, 19.9929, 96.2263)

Have a look what the booklet for  
XYZ(42.5078, 19.9929, 96.2263)  
contains.

<b>XYZ(42.5157, 19.9936, 96.2261)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(42.5157, 19.9936,  
96.2261)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CA0AFF
RGB	202, 10, 255
RGB Percent	79%, 4%, 100%
CMY	0.2078, 0.9607, 0.0000
CMYK	0.21, 0.96, 0.00, 0.00
HSL	287°, 100%, 52%
HSV	287°, 96%, 100%
XYZ	42.5157, 19.9936, 96.2261
YIQ	95.3380, 35.7870, 116.8990

# Conversions

## Conversions Part 2

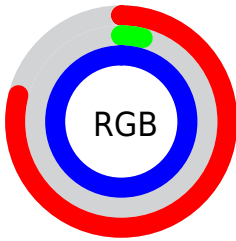
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	202, 10, 255
Decimal	13241087
CIE Lab	51.83, 90.02, -74.98
CIE LCh	52, 117.157, 320.208
Yxy	19.9936, 0.2678, 0.1260
Android (android.graphics.Color)	4291431167 (0xFFCA0AFF)
YUV	95.3380, 78.7134, 93.5426
Hunter-Lab	44.7142, 91.4737, -96.2936

# Details

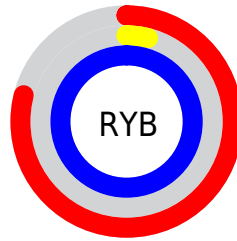
The XYZ color **42.5157, 19.9936, 96.2261** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **37.8654, 72.5990, 12.3048**, and the grayscale version is **10.7717, 11.3326, 12.3412**.

A 20% lighter version of the original color is **63.6577, 37.2154, 98.4359**, and **21.0625, 9.6939, 53.5843** is the 20% darker color. If you saturate the color by 10%, you get **41.8259, 19.4769, 96.1627**, and if you desaturate by 10%, it is **44.5437, 21.7928, 96.4665**.

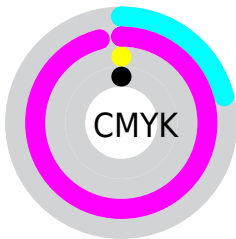
# Distribution



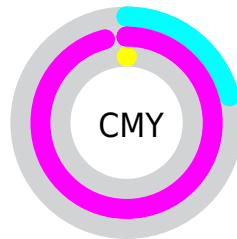
- Red (79%)
- Green (4%)
- Blue (100%)



- Red (79%)
- Yellow (4%)
- Blue (100%)



- Cyan (21%)
- Magenta (96%)
- Yellow (0%)
- Black (0%)




- Cyan (21%)
- Magenta (96%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5157, 19.9936, 96.2261 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 42.5157, 19.9936, 96.2261 by changing the saturation by 10% instead.





 42.5157, 19.9936,  
96.2261


 42.5157, 19.9936,  
96.2261

347.5716,  
251.8805, 569.1671


 29.6982, 12.3904,  
72.5534


 78.2398, 43.4065,  
157.9675

 19.7565, 7.0101,  
53.1212


 101.8771, 59.9849,  
196.8733


 12.3254, 3.4684,  
37.5112

 129.8517, 80.3239,  
241.6939

 7.0395, 1.3809,  
25.3046

 162.5289,  
104.8077, 292.8478

 3.5334, 0.2026,  
16.0831

 200.2742,  
133.8210, 350.7535

 1.4417, 0.0000,  
9.4280

 243.4528,

 0.2856, 0.0000,

167.7479, 415.8296

4.9208

292.4302,  
206.9729, 488.4946

■ 0.0000, 0.0000,  
2.1429

■ 0.0000, 0.0000,  
0.6411

■ 42.5157, 19.9936,  
96.2261

■ 42.5157, 19.9936,  
96.2261

■ 41.8259, 19.4769,  
96.1627

■ 44.5437, 21.7928,  
96.4665

■ 47.1703, 24.7103,  
96.8912

■ 50.4977, 28.9484,  
97.5338

■ 54.6072, 34.6694,  
98.4215

■ 59.5687, 42.0118,  
99.5772

■ 65.4437, 51.0983,  
101.0214

■ 72.2880, 62.0394,  
102.7726

■ 80.1527, 74.9366,  
104.8474

■ 89.0850, 89.8838,  
107.2618

# Harmonies

## Analogous

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



28.0371, 19.9936, 158.9778



42.5157, 19.9936, 96.2261



51.5746, 19.9936, 34.9004

# Triad

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



42.5157, 19.9936, 96.2261



23.1594, 19.9936, 0.0000



4.6162, 19.9936, 53.0917

# Complementary

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



42.5157, 19.9936, 96.2261



37.8654, 72.5990, 12.3048

# 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.



4.2108, 19.9936, 12.4306



42.5157, 19.9936, 96.2261



12.1541, 19.9936, 0.0000

# Square

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



42.5157, 19.9936, 96.2261



37.6941, 19.9936, 0.0000



6.3000, 19.9936, 1.0060



7.8117, 19.9936, 120.6646



# Rectangle

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



42.5157, 19.9936, 96.2261



51.5186, 19.9936, 12.1117



6.3000, 19.9936, 1.0060



4.2213, 19.9936, 35.5445

# Sweetspot

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



42.5166, 19.9943, 96.2262



70.1816, 58.6393, 102.2273



19.9580, 10.8500, 95.6501



14.3975, 11.5536, 21.7212



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.



42.5166, 19.9943, 96.2262



41.8259, 19.4769, 96.1627



50.1677, 25.0050, 48.4068



18.3855, 18.0905, 22.7727



21.9867, 10.2450, 50.2532



2.2317, 1.0444, 4.8972



# Inverse Universe

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



42.2462, 21.8364, 6.6923



41.9335, 21.5374, 5.5819



37.3122, 72.1553, 19.4395



18.1702, 18.0514, 19.5133



21.9556, 11.2715, 3.1505

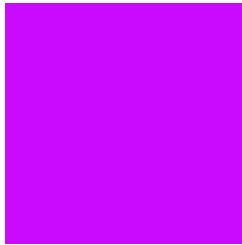


2.1760, 1.1128, 0.5082



# Previews

## White Background



This preview shows how the XYZ color 42.5157, 19.9936, 96.2261 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

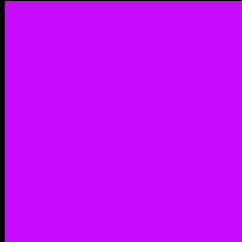
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.5157, 19.9936, 96.2261 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 42.5157, 19.9936, 96.2261

## Background



This preview shows how black text looks on a background with the XYZ color 42.5157, 19.9936, 96.2261.



This preview shows how white text looks on a background with the XYZ color 42.5157, 19.9936,



# 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

42.5157, 19.9936, 96.2261

### Protanopia

24.4461, 20.5248, 95.6017

### Deuteranopia

20.7742, 20.4527, 71.9601



## Tritanopia

26.2671, 19.9996, 16.3858

# Trichromacy



## Original Color

42.5157, 19.9936, 96.2261



## Protanomaly

23.5057, 14.3095, 95.2891



## Deuteranomaly

20.7693, 13.6976, 79.3911



## Tritanomaly

29.4264, 17.4063, 35.5270

# Monochromacy



## Original Color

42.5157, 19.9936, 96.2261



## Achromatopsia

10.8771, 11.4435, 12.4620



## Achromatomaly

17.4147, 11.0350, 31.3491

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.5157, 19.9936, 96.2261 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(202, 10, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 10, 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(202, 10, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 10, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 42.5157, 19.9936, 96.2261 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(202, 10, 255) }
```



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

```
.border{ border-color:rgb(202, 10, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 10, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 10, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 10, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 10,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.5157, 19.9936, 96.2261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 10, 255) }
```

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

```
.background{ background-color: rgb(202, 10,  
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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