

# Converting Colors

XYZ(38.5981, 22.3454, 69.9889)

Have a look what the booklet for  
XYZ(38.5981, 22.3454, 69.9889)  
contains.

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# Color

**XYZ(38.5981, 22.3454,  
69.9889)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C54DDC
RGB	197, 77, 220
RGB Percent	77%, 30%, 86%
CMY	0.2274, 0.6980, 0.1373
CMYK	0.10, 0.65, 0.00, 0.14
HSL	290°, 67%, 58%
HSV	290°, 65%, 86%
XYZ	38.5981, 22.3454, 69.9889
YIQ	129.1820, 25.6170, 69.9130

# Conversions

## Conversions Part 2

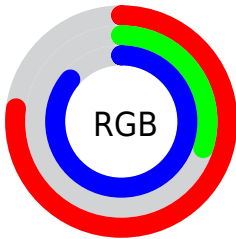
<b>Format</b>	<b>Color</b>
<b>RYB</b>	197, 77, 220
Decimal	12930524
CIELab	54.39, 66.85, -51.24
CIELCh	54, 84.231, 322.531
Yxy	22.3454, 0.2948, 0.1707
Android (android.graphics.Color)	4291120604 (0xFFC54DDC)
YUV	129.1820, 44.7733, 59.4764
Hunter-Lab	47.2709, 63.0264, -54.6946

# Details

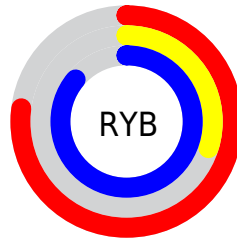
The XYZ color **38.5981, 22.3454, 69.9889** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **32.1890, 54.4321, 15.8320**, and the grayscale version is **20.7728, 21.8546, 23.7997**.

A 20% lighter version of the original color is **67.8151, 45.5302, 99.8217**, and **17.3483, 8.1693, 35.7844** is the 20% darker color. If you saturate the color by 10%, you get **36.3954, 19.2986, 69.5173**, and if you desaturate by 10%, it is **41.3446, 26.4459, 70.6360**.

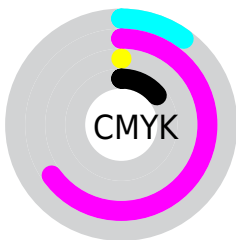
# Distribution



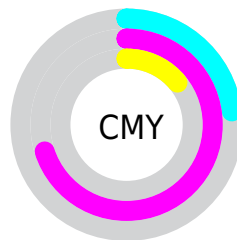
- Red (77%)
- Green (30%)
- Blue (86%)



- Red (77%)
- Yellow (30%)
- Blue (86%)



- Cyan (10%)
- Magenta (65%)
- Yellow (0%)
- Black (14%)




- Cyan (23%)
- Magenta (70%)
- Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5981, 22.3454, 69.9889 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 38.5981, 22.3454, 69.9889 by changing the saturation by 10% instead.





 38.5981, 22.3454,  
69.9889


 38.5981, 22.3454,  
69.9889

331.4154,  
264.3448, 479.2991


 26.6265, 14.1109,  
51.0407


 72.3220, 47.3162,  
120.8739


 17.4281, 8.1978,  
35.8641


 94.8050, 64.8213,  
153.6478


 10.6374, 4.2218,  
24.0404


 121.5225, 86.1854,  
191.8674

 5.8890, 1.7984,  
15.1511

 152.8399,  
111.7929, 235.9512

 2.8177, 0.4862,  
8.7777

 189.1225,  
142.0282, 286.3177

 1.0581, 0.0000,  
4.5016

230.7358,

 0.0000, 0.0000,

177.2757, 343.3855

1.9044

278.0449,  
217.9197, 407.5731

■ 0.0000, 0.0000,  
0.4955

■ 0.0000, 0.0000,  
0.0000

■ 38.5981, 22.3454,  
69.9889

■ 38.5981, 22.3454,  
69.9889

■ 36.3954, 19.2986,  
69.5173

■ 41.3446, 26.4459,  
70.6360

■ 34.6788, 17.1928,  
69.2013

■ 44.6797, 31.6918,  
71.4727

■ 33.3818, 15.8944,  
69.0190

■ 48.6464, 38.1683,  
72.5138

■ 32.8336, 15.4340,  
68.9590

■ 53.2829, 45.9513,  
73.7717

■ 58.6242, 55.1110,  
75.2581

■ 64.7030, 65.7121,  
76.9840

■ 71.5497, 77.8156,  
78.9593

■ 79.1930, 91.4786,  
81.1937

■ 80.9427, 93.3202,  
81.4570

# Harmonies

## Analogous

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



28.7632, 22.3454, 107.5273



38.5981, 22.3454, 69.9889



44.0474, 22.3454, 31.5270

# Triad

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



38.5981, 22.3454, 69.9889



23.6218, 22.3454, 0.7175



8.7318, 22.3454, 49.3619

# Complementary

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



38.5981, 22.3454, 69.9889



32.1890, 54.4321, 15.8320

# 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.



8.0850, 22.3454, 18.3217



38.5981, 22.3454, 69.9889



15.1561, 22.3454, 1.1252

# Square

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



38.5981, 22.3454, 69.9889



33.9184, 22.3454, 2.2047



10.0658, 22.3454, 4.6934



12.1932, 22.3454, 90.7510



# Rectangle

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



38.5981, 22.3454, 69.9889



43.6076, 22.3454, 14.9110



10.0658, 22.3454, 4.6934



8.2283, 22.3454, 37.0600

# Sweetspot

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



38.5990, 22.3464, 69.9894



78.6850, 71.4398, 104.2499



20.6172, 16.0212, 69.7162



16.3850, 14.5085, 22.1868



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.



38.5990, 22.3464, 69.9894



49.9035, 25.7476, 96.9473



39.6482, 23.5156, 41.6481



13.3980, 13.1633, 16.4868



19.3489, 9.0989, 40.4749



1.3097, 0.6184, 2.6248



# Inverse Universe

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



34.4700, 21.4444, 14.3799



44.4242, 24.8041, 11.6984



32.3349, 54.2369, 28.0563



13.1410, 13.0855, 14.0039



17.5304, 9.0132, 1.9074

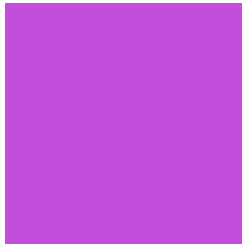


1.1627, 0.5947, 0.2655



# Previews

## White Background



This preview shows how the XYZ color 38.5981, 22.3454, 69.9889 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

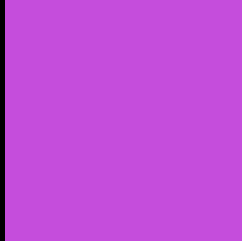
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.5981, 22.3454, 69.9889 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

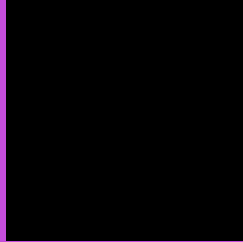
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 38.5981, 22.3454, 69.9889**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.5981, 22.3454, 69.9889.



This preview shows how white text looks on a background with the XYZ color 38.5981, 22.3454,



# 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

38.5981, 22.3454, 69.9889

### Protanopia

26.8761, 22.8455, 97.6008

### Deuteranopia

23.4415, 22.7747, 64.7885



## Tritanopia

28.2080, 22.2889, 19.6451

# Trichromacy



## Original Color

38.5981, 22.3454, 69.9889



## Protanomaly

27.0985, 20.0790, 86.4518



## Deuteranomaly

26.1342, 20.5090, 66.1995



## Tritanomaly

30.8465, 21.5738, 33.1102

# Monochromacy



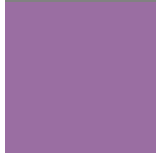
## Original Color

38.5981, 22.3454, 69.9889



## Achromatopsia

20.8660, 21.9526, 23.9064



## Achromatomaly

25.4239, 20.6305, 36.8245

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.5981, 22.3454, 69.9889 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, 77, 220)` looks like.

```
.text, #text, p{  
    color:rgb(197, 77, 220)  
}
```

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, 77, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 77, 220) }
```

## Border

The CSS property to change the border of an element to XYZ 38.5981, 22.3454, 69.9889 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, 77, 220) }
```



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

```
.border{ border-color:rgb(197, 77, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 77, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 77, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 77, 220);  
box-shadow:4px 4px 4px 4px rgb(197, 77,  
220) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.5981, 22.3454, 69.9889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 77, 220) }
```

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

```
.background{ background-color: rgb(197, 77,  
220) }
```

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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