

# Converting Colors

XYZ(35.4723, 21.1572, 79.3058)

Have a look what the booklet for  
XYZ(35.4723, 21.1572, 79.3058)  
contains.

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# Color

**XYZ(35.4804, 21.1837,  
79.3096)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AF53E9
RGB	175, 83, 233
RGB Percent	69%, 33%, 91%
CMY	0.3137, 0.6745, 0.0863
CMYK	0.25, 0.64, 0.00, 0.09
HSL	277°, 77%, 62%
HSV	277°, 64%, 91%
XYZ	35.4804, 21.1837, 79.3096
YIQ	127.6080, 6.6820, 66.1540

# Conversions

## Conversions Part 2

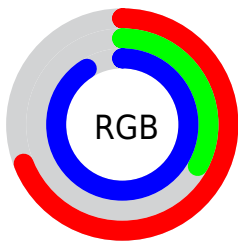
Format	Color
R <sub>Y</sub> B	175, 83, 233
Decimal	11490281
CIE Lab	53.15, 61.95, -60.73
CIE LCh	53, 86.752, 315.574
Yxy	21.1837, 0.2609, 0.1558
Android (android.graphics.Color)	4289680361 (0xFFAF53E9)
YUV	127.6080, 51.9583, 41.5628
Hunter-Lab	46.0258, 57.0573, -69.9480

# Details

The XYZ color **35.4804, 21.1837, 79.3096** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **41.6852, 64.5655, 18.4497**, and the grayscale version is **20.2078, 21.2602, 23.1524**.

A 20% lighter version of the original color is **61.0702, 42.8894, 99.6675**, and **15.6141, 7.5989, 41.7181** is the 20% darker color. If you saturate the color by 10%, you get **32.0329, 17.1902, 78.7209**, and if you desaturate by 10%, it is **39.6634, 26.4457, 80.1052**.

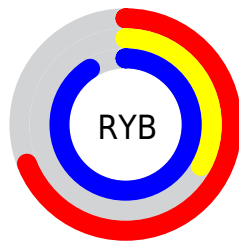
# Distribution



Red (69%)

Green (33%)

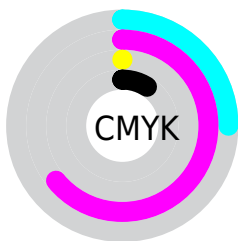
Blue (91%)



Red (69%)

Yellow (33%)

Blue (91%)

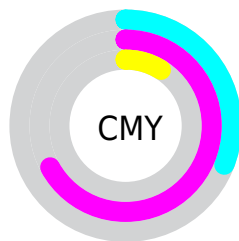


Cyan (25%)

Magenta (64%)

Yellow (0%)

Black (9%)



Cyan (31%)

Magenta (67%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.4804, 21.1837, 79.3096 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 35.4804, 21.1837, 79.3096 by changing the saturation by 10% instead.



35.4804, 21.1837,  
79.3096

35.4804, 21.1837,  
79.3096

318.1547,  
258.2531, 512.2484

24.2014, 13.2583,  
58.6276

67.5585, 45.3931,  
134.1972

15.6086, 7.6067,  
41.8954

89.0882, 62.4459,  
169.2399

9.3367, 3.8443,  
28.6944

114.7656, 83.3099,  
209.9066

5.0203, 1.5869,  
18.6062

144.9560,  
108.3697, 256.6158

2.2941, 0.3487,  
11.2121

180.0248,  
138.0095, 309.7860

0.7916, 0.0000,  
6.0937

220.3373,

0.0000, 0.0000,

172.6137, 369.8358

2.8325

266.2588,  
212.5668, 437.1837

■ 0.0000, 0.0000,  
1.0097

■ 0.0000, 0.0000,  
0.0000

■ 35.4804, 21.1837,  
79.3096

■ 35.4804, 21.1837,  
79.3096

■ 32.0329, 17.1902,  
78.7209

■ 39.6634, 26.4457,  
80.1052

■ 29.2527, 14.3360,  
78.3165

■ 44.6357, 33.0834,  
81.1243

■ 27.0615, 12.4673,  
78.0713

■ 50.4488, 41.1949,  
82.3836

■ 26.0199, 11.7147,  
77.9809

■ 57.1486, 50.8685,  
83.8977

64.7775, 62.1854,  
85.6800

73.3748, 75.2212,  
87.7430

82.9778, 90.0466,  
90.0985

88.8527, 97.1912,  
91.1679

91.7080, 98.6632,  
91.3015

# Harmonies

## Analogous

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



25.2330, 21.1837, 113.5061



35.4804, 21.1837, 79.3096



42.4113, 21.1837, 38.0208

# Triad

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



35.4804, 21.1837, 79.3096



24.8397, 21.1837, 0.5328



7.5035, 21.1837, 39.3961

# Complementary

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



35.4804, 21.1837, 79.3096



41.6852, 64.5655, 18.4497

# 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.



7.4565, 21.1837, 12.6581



35.4804, 21.1837, 79.3096



15.7736, 21.1837, 0.5642

# Square

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



35.4804, 21.1837, 79.3096



35.1184, 21.1837, 2.5565



10.0080, 21.1837, 2.7246



10.1650, 21.1837, 80.9449



# Rectangle

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



35.4804, 21.1837, 79.3096



43.1904, 21.1837, 18.5126



10.0080, 21.1837, 2.7246



7.2161, 21.1837, 28.3095

# Sweetspot

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



35.4813, 21.1845, 79.3101



74.9345, 69.5064, 104.0743



28.0984, 27.3680, 80.8927



15.4714, 14.0376, 22.1440



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.



35.4813, 21.1845, 79.3101



38.2048, 19.9052, 96.4362



49.3529, 28.5727, 69.2441



15.1182, 15.0062, 19.0219



14.9068, 6.7207, 44.2545



1.2776, 0.5829, 3.4801



# Inverse Universe

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



41.5058, 25.4339, 27.9215



47.1290, 26.0893, 25.3153



34.9114, 60.9991, 21.4900



15.3065, 15.1505, 16.8996



20.1734, 10.2721, 6.7146

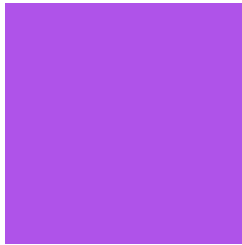


1.6299, 0.8249, 0.7686



# Previews

## White Background



This preview shows how the XYZ color 35.4804, 21.1837, 79.3096 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

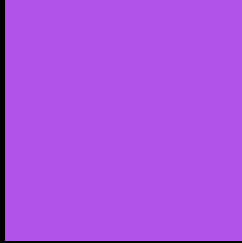
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.4804, 21.1837, 79.3096 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

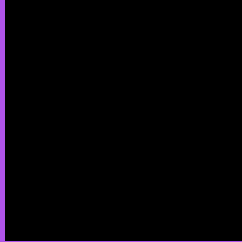
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 35.4804, 21.1837, 79.3096**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.4804, 21.1837, 79.3096.



This preview shows how white text looks on a background with the XYZ color 35.4804, 21.1837,



# 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

35.4804, 21.1837, 79.3096

### Protanopia

25.7926, 21.7260, 97.4419

### Deuteranopia

22.2596, 21.5746, 73.5121



## Tritanopia

23.8517, 21.1395, 22.2253

# Trichromacy



## Original Color

35.4804, 21.1837, 79.3096



## Protanomaly

25.8974, 19.3718, 90.3699



## Deuteranomaly

23.8757, 19.3081, 75.1415



## Tritanomaly

26.9610, 20.4735, 37.6527

# Monochromacy



## Original Color

35.4804, 21.1837, 79.3096



## Achromatopsia

20.5175, 21.5861, 23.5072



## Achromatomaly

24.3542, 20.3613, 38.7229

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.4804, 21.1837, 79.3096 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(175, 83, 233)` looks like.

```
.text, #text, p{  
    color:rgb(175, 83, 233)  
}
```

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(175, 83, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 83, 233) }
```

## Border

The CSS property to change the border of an element to XYZ 35.4804, 21.1837, 79.3096 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(175, 83, 233) }
```



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

```
.border{ border-color:rgb(175, 83, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 83, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 83, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 83, 233);  
box-shadow:4px 4px 4px 4px rgb(175, 83,  
233) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.4804, 21.1837, 79.3096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 83, 233) }
```

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

```
.background{ background-color: rgb(175, 83,  
233) }
```

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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