

# Converting Colors

XYZ(35.6139, 28.9052, 86.6295)

Have a look what the booklet for  
XYZ(35.6139, 28.9052, 86.6295)  
contains.

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# Color

**XYZ(35.7663, 29.0552,  
86.9422)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9085F1
RGB	144, 133, 241
RGB Percent	56%, 52%, 95%
CMY	0.4353, 0.4784, 0.0549
CMYK	0.40, 0.45, 0.00, 0.05
HSL	246°, 79%, 73%
HSV	246°, 45%, 95%
XYZ	35.7663, 29.0552, 86.9422
YIQ	148.6010, -28.1120, 35.9200

# Conversions

## Conversions Part 2

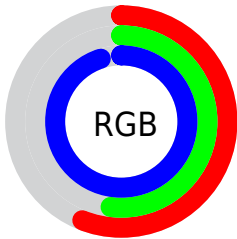
<b>Format</b>	<b>Color</b>
<b>RYB</b>	144, 133, 241
Decimal	9471473
CIELab	60.83, 29.81, -53.08
CIELCh	61, 60.880, 299.322
Yxy	29.0552, 0.2357, 0.1915
Android (android.graphics.Color)	4287661553 (0xFF9085F1)
YUV	148.6010, 45.5527, -4.0351
Hunter-Lab	53.9029, 24.1105, -57.8993

# Details

The XYZ color **35.7663, 29.0552, 86.9422** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **68.3220, 81.4273, 34.3072**, and the grayscale version is **28.2241, 29.6940, 32.3368**.

A 20% lighter version of the original color is **59.6963, 54.7553, 102.0302**, and **15.7695, 11.7219, 46.7788** is the 20% darker color. If you saturate the color by 10%, you get **29.4125, 21.4312, 85.8061**, and if you desaturate by 10%, it is **43.6040, 38.5686, 88.3659**.

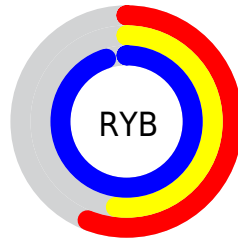
# Distribution



Red (56%)

Green (52%)

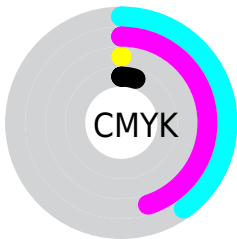
Blue (95%)



Red (56%)

Yellow (52%)

Blue (95%)

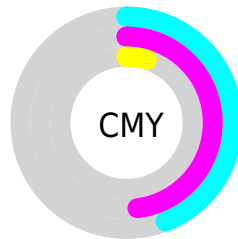


Cyan (40%)

Magenta (45%)

Yellow (0%)

Black (5%)



Cyan (44%)

Magenta (48%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.7663, 29.0552, 86.9422 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 35.7663, 29.0552, 86.9422 by changing the saturation by 10% instead.



■ 35.7663, 29.0552,  
86.9422

■ 35.7663, 29.0552,  
86.9422

319.3870,  
297.4753, 538.3442

■ 24.4230, 19.1226,  
64.8880

■ 67.9974, 58.1648,  
144.9817

■ 15.7742, 11.7589,  
46.9195

■ 89.6160, 78.1105,  
181.8042

■ 9.4543, 6.5797,  
32.6181

■ 115.3904,  
102.1628, 224.3864

■ 5.0982, 3.2007,  
21.5654

145.6860,  
130.7059, 273.1471

■ 2.3403, 1.2374,  
13.3426

180.8681,  
164.1243, 328.5046

■ 0.8152, 0.0919,  
7.5314

221.3020,

■ 0.0000, 0.0000,

202.8025, 390.8776

3.7132

267.3532,  
247.1247, 460.6847

■ 0.0000, 0.0000,  
1.4693

■ 0.0000, 0.0000,  
0.1949

■ 35.7663, 29.0552,  
86.9422

■ 35.7663, 29.0552,  
86.9422

■ 29.4125, 21.4312,  
85.8061

■ 43.6040, 38.5686,  
88.3659

■ 24.4451, 15.5670,  
84.9360

■ 53.0079, 50.0829,  
90.0928

■ 20.7604, 11.3219,  
84.3108

■ 64.0583, 63.7048,  
92.1397

■ 18.2382, 8.5318,  
83.9052

■ 76.8290, 79.5323,  
94.5216

■ 16.7348, 6.9973,  
83.6882

■ 91.3893, 97.6574,  
97.2527

■ 16.2672, 6.5519,  
83.6269

■ 92.8773, 99.1309,  
97.4587

# Harmonies

## Analogous

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



27.4361, 29.0552, 98.3672



35.7663, 29.0552, 86.9422



42.8953, 29.0552, 59.5182

# Triad

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



35.7663, 29.0552, 86.9422



36.1387, 29.0552, 6.9963



15.0146, 29.0552, 31.1225

# Complementary

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



35.7663, 29.0552, 86.9422



68.3220, 81.4273, 34.3072

# 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.



16.4790, 29.0552, 14.1916



35.7663, 29.0552, 86.9422



27.7968, 29.0552, 4.9937

# Square

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



35.7663, 29.0552, 86.9422



43.1376, 29.0552, 14.7223



20.8088, 29.0552, 6.8091



16.3515, 29.0552, 58.1653



# Rectangle

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



35.7663, 29.0552, 86.9422



45.4496, 29.0552, 40.4265



20.8088, 29.0552, 6.8091



15.1903, 29.0552, 24.2224

# Sweetspot

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



35.7675, 29.0562, 86.9429



75.2536, 75.4270, 105.2003



53.9032, 68.0431, 93.5123



15.4602, 15.3442, 22.3968



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.



35.7675, 29.0562, 86.9429



33.8572, 24.8641, 97.6225



47.5015, 35.1053, 87.4921



15.0467, 15.3058, 19.8829



8.8727, 3.5794, 45.3511



0.7878, 0.3234, 3.7751



# Inverse Universe

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



58.9464, 41.1896, 79.7054



63.5093, 40.4018, 87.6483



53.6394, 73.8582, 33.6200



16.3808, 16.0020, 19.5615



26.4535, 12.8538, 36.6345

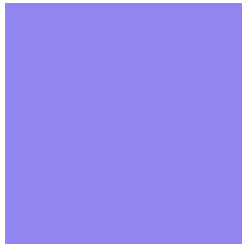


2.2205, 1.0773, 3.1522



# Previews

## White Background



This preview shows how the XYZ color 35.7663, 29.0552, 86.9422 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

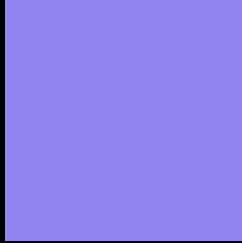
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.7663, 29.0552, 86.9422 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

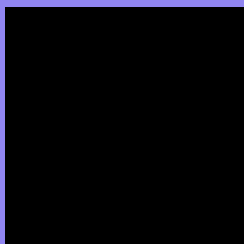
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 35.7663, 29.0552, 86.9422**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.7663, 29.0552, 86.9422.



This preview shows how white text looks on a background with the XYZ color 35.7663, 29.0552,



# 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

35.7663, 29.0552, 86.9422

### Protanopia

32.3333, 29.2564, 94.3854

### Deuteranopia

30.1807, 29.2646, 84.9469



## Tritanopia

26.1349, 29.1375, 38.8970

# Trichromacy



## Original Color

35.7663, 29.0552, 86.9422

## Protanomaly

33.2236, 28.8936, 91.8216

## Deuteranomaly

31.6834, 28.8930, 85.5684

## Tritanomaly

28.8929, 28.6136, 53.2904

# Monochromacy



## Original Color

35.7663, 29.0552, 86.9422

## Achromatopsia

28.5667, 30.0544, 32.7292

## Achromatomaly

30.2986, 29.2254, 48.3001

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.7663, 29.0552, 86.9422 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(144, 133, 241)` looks like.

```
.text, #text, p{  
    color:rgb(144, 133, 241)  
}
```

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(144, 133, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 133, 241) }
```

## Border

The CSS property to change the border of an element to XYZ 35.7663, 29.0552, 86.9422 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(144, 133, 241) }
```



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

```
.border{ border-color:rgb(144, 133, 241) }
```

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

Here you see how a box with a 4 pixel rgb(144, 133, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 133, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 133, 241);  
box-shadow:4px 4px 4px 4px rgb(144, 133,  
241) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.7663, 29.0552, 86.9422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 133, 241) }
```

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

```
.background{ background-color: rgb(144,  
133, 241) }
```

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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