

# Converting Colors

XYZ(27.1690, 12.5000, 92.3723)

Have a look what the booklet for  
XYZ(27.1690, 12.5000, 92.3723)  
contains.

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# Color

**XYZ(27.1203, 12.4856,  
92.2473)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8319FB
RGB	131, 25, 251
RGB Percent	51%, 10%, 98%
CMY	0.4863, 0.9020, 0.0157
CMYK	0.48, 0.90, 0.00, 0.02
HSL	268°, 97%, 54%
HSV	268°, 90%, 98%
XYZ	27.1203, 12.4856, 92.2473
YIQ	82.4580, -9.3700, 92.7580

# Conversions

## Conversions Part 2

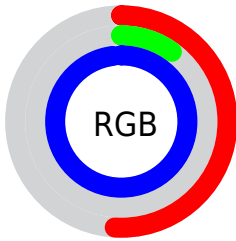
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	131, 25, 251
Decimal	8591867
CIE Lab	41.98, 79.27, -89.28
CIE LCh	42, 119.395, 311.599
Yxy	12.4856, 0.2057, 0.0947
Android (android.graphics.Color)	4286781947 (0xFF8319FB)
YUV	82.4580, 83.0912, 42.5713
Hunter-Lab	35.3350, 75.1662, -130.0511

# Details

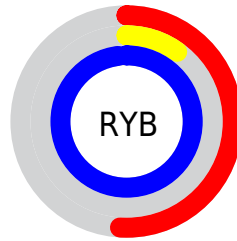
The XYZ color **27.1203, 12.4856, 92.2473** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle washed purple. A complement of this color would be **46.3482, 75.0837, 12.9693**, and the grayscale version is **7.9519, 8.3660, 9.1106**.

A 20% lighter version of the original color is **44.0392, 26.1715, 97.3382**, and **11.6122, 4.8744, 50.7809** is the 20% darker color. If you saturate the color by 10%, you get **24.8478, 10.7980, 92.0417**, and if you desaturate by 10%, it is **30.1171, 15.2137, 92.6163**.

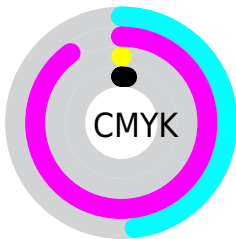
# Distribution



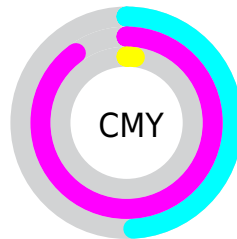
- Red (51%)
- Green (10%)
- Blue (98%)



- Red (51%)
- Yellow (10%)
- Blue (98%)



- Cyan (48%)
- Magenta (90%)
- Yellow (0%)
- Black (2%)



- Cyan (49%)
- Magenta (90%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.1203, 12.4856, 92.2473 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 27.1203, 12.4856, 92.2473 by changing the saturation by 10% instead.



27.1203, 12.4856,  
92.2473

27.1203, 12.4856,  
92.2473

280.3961,  
207.5941, 556.0721

17.8006, 7.0753,  
69.2619

54.4954, 30.3765,  
152.4188

10.9058, 3.5092,  
50.4519

73.2815, 43.6259,  
190.4419

6.0703, 1.4030,  
35.3989

95.9538, 60.2571,  
234.3147

2.9290, 0.2189,  
23.6843

122.8777, 80.6545,  
284.4556

1.1163, 0.0000,  
14.8896

154.4186,  
105.2025, 341.2833

0.0387, 0.0000,  
8.5962

190.9416,

0.0000, 0.0000,

134.2855, 405.2162

4.3855

232.8124,  
168.2879, 476.6730

■ 0.0000, 0.0000,  
1.8391

■ 0.0000, 0.0000,  
0.4536

■ 27.1203, 12.4856,  
92.2473

■ 27.1203, 12.4856,  
92.2473

■ 24.8478, 10.7980,  
92.0417

■ 30.1171, 15.2137,  
92.6163

■ 33.9756, 19.2584,  
93.1936

■ 38.7897, 24.7926,  
94.0081

■ 44.6385, 31.9618,  
95.0836

51.5919, 40.8932,  
96.4411

59.7130, 51.7014,  
98.0992

69.0596, 64.4909,  
100.0752

79.6856, 79.3583,  
102.3849

91.6414, 96.3938,  
105.0429

# Harmonies

## Analogous

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



15.6260, 12.4856, 138.9180



27.1203, 12.4856, 92.2473



36.4288, 12.4856, 35.4983

# Triad

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



27.1203, 12.4856, 92.2473



18.0869, 12.4856, 0.0000



1.7868, 12.4856, 25.9290

# Complementary

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



27.1203, 12.4856, 92.2473



46.3482, 75.0837, 12.9693

# 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.



1.9387, 12.4856, 3.2867



27.1203, 12.4856, 92.2473



8.7654, 12.4856, 0.0000

# Square

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



27.1203, 12.4856, 92.2473



29.6724, 12.4856, 0.0000



3.7779, 12.4856, 0.0000



3.1508, 12.4856, 78.3601



# Rectangle

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



27.1203, 12.4856, 92.2473



38.2823, 12.4856, 12.2804



3.7779, 12.4856, 0.0000



1.6921, 12.4856, 14.9996

# Sweetspot

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



27.1211, 12.4859, 92.2477



64.6872, 57.3751, 102.2729



28.0203, 27.5854, 95.1148



13.1720, 11.3675, 21.7499



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.



27.1211, 12.4859, 92.2477



25.7418, 11.1853, 95.4100



54.8837, 26.7980, 93.5469



17.0572, 17.0421, 21.7757



13.2259, 5.7609, 48.3884



1.3461, 0.5960, 4.4873



# Inverse Universe

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



45.2415, 23.2484, 28.8873



45.6407, 23.0203, 25.1037



35.2850, 69.3804, 12.4515



17.6298, 17.3793, 19.9062



23.2213, 11.7042, 13.1397

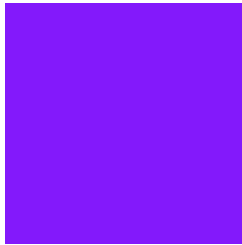


2.2043, 1.1054, 1.4991



# Previews

## White Background



This preview shows how the XYZ color 27.1203, 12.4856, 92.2473 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

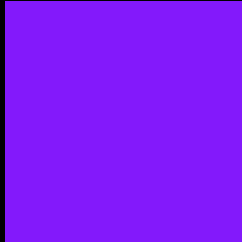
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 27.1203, 12.4856, 92.2473 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

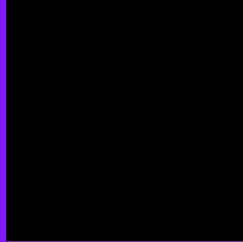
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 27.1203, 12.4856, 92.2473**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.1203, 12.4856, 92.2473.



This preview shows how white text looks on a background with the XYZ color 27.1203, 12.4856,



# 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

27.1203, 12.4856, 92.2473

### Protanopia

14.7255, 12.5828, 56.9109

### Deuteranopia

12.1978, 12.4813, 40.7960



## Tritanopia

11.7781, 12.5242, 15.9840

# Trichromacy



## Original Color

27.1203, 12.4856, 92.2473



## Protanomaly

16.1953, 10.1232, 68.1182



## Deuteranomaly

14.2103, 9.7430, 56.3900



## Tritanomaly

14.7911, 10.4290, 34.4911

# Monochromacy



## Original Color

27.1203, 12.4856, 92.2473



## Achromatopsia

8.0200, 8.4376, 9.1886



## Achromatomaly

11.8822, 8.0300, 26.9103

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.1203, 12.4856, 92.2473 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(131, 25, 251)` looks like.

```
.text, #text, p{  
    color:rgb(131, 25, 251)  
}
```

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(131, 25, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 25, 251) }
```

## Border

The CSS property to change the border of an element to XYZ 27.1203, 12.4856, 92.2473 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(131, 25, 251) }
```



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

```
.border{ border-color:rgb(131, 25, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 25, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 25, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 25, 251);  
box-shadow:4px 4px 4px 4px rgb(131, 25,  
251) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.1203, 12.4856, 92.2473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 25, 251) }
```

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

```
.background{ background-color: rgb(131, 25,  
251) }
```

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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