

# Converting Colors

XYZ(21.3020, 9.2560, 78.9585)

Have a look what the booklet for  
XYZ(21.3020, 9.2560, 78.9585)  
contains.

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# Color

**XYZ(21.3021, 9.2494,  
79.2598)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6D00EB
RGB	109, 0, 235
RGB Percent	43%, 0%, 92%
CMY	0.5725, 1.0000, 0.0784
CMYK	0.54, 1.00, 0.00, 0.08
HSL	268°, 100%, 46%
HSV	268°, 100%, 92%
XYZ	21.3021, 9.2494, 79.2598
YIQ	59.3810, -10.4710, 96.1930

# Conversions

## Conversions Part 2

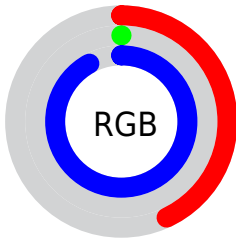
Format	Color
R <sub>Y</sub> B	109, 0, 235
Decimal	7143659
CIE Lab	36.46, 77.59, -89.46
CIE LCh	36, 118.425, 310.935
Yxy	9.2494, 0.1940, 0.0842
Android (android.graphics.Color)	4285333739 (0xFF6D00EB)
YUV	59.3810, 86.5802, 43.5159
Hunter-Lab	30.4128, 71.8046, -133.2285

# Details

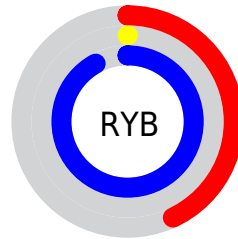
The XYZ color **21.3021, 9.2494, 79.2598** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark washed purple. A complement of this color would be **38.3117, 63.8520, 10.3054**, and the grayscale version is **4.0961, 4.3094, 4.6929**.

A 20% lighter version of the original color is **38.0080, 21.5530, 96.7646**, and **8.3878, 3.4073, 41.8106** is the 20% darker color. If you saturate the color by 10%, you get **21.3029, 9.2498, 79.2601**, and if you desaturate by 10%, it is **23.2822, 10.7399, 79.4434**.

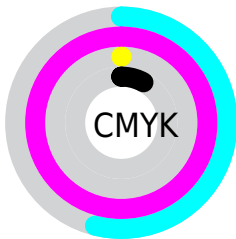
# Distribution



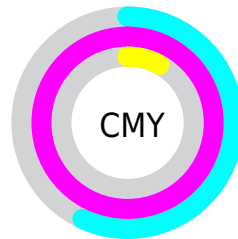
- Red (43%)
- Green (0%)
- Blue (92%)



- Red (43%)
- Yellow (0%)
- Blue (92%)



- Cyan (54%)
- Magenta (100%)
- Yellow (0%)
- Black (8%)



- Cyan (57%)
- Magenta (100%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3021, 9.2494, 79.2598 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 21.3021, 9.2494, 79.2598 by changing the saturation by 10% instead.



21.3021, 9.2494,  
79.2598

21.3021, 9.2494,  
79.2598

251.5811,  
185.2277, 512.0756

13.4587, 4.9042,  
58.5869

45.0773, 24.3738,  
134.1265

7.8243, 2.1912,  
41.8628

61.7398, 35.9218,  
169.1574

4.0336, 0.7152,  
28.6691

82.0727, 50.6395,  
209.8113

1.7212, 0.0000,  
18.5872

106.4414, 68.9113,  
256.5068

0.4695, 0.0000,  
11.1986

135.2112, 91.1216,  
309.6625

0.0000, 0.0000,  
6.0847

168.7476,

0.0000, 0.0000,

117.6549, 369.6968

2.8271

207.4157,  
148.8954, 437.0283

0.0000, 0.0000,  
1.0070

0.0000, 0.0000,  
0.0000

21.3021, 9.2494,  
79.2598

21.3021, 9.2494,  
79.2598

21.3029, 9.2498,  
79.2601

23.2822, 10.7399,  
79.4434

25.8762, 13.1164,  
79.7654

29.2146, 16.6263,  
80.2669

33.3765, 21.4159,  
80.9721

■ 38.4291, 27.6087,  
81.9011

■ 44.4322, 35.3129,  
83.0718

■ 51.4395, 44.6261,  
84.5001

■ 59.5006, 55.6373,  
86.2006

■ 68.6614, 68.4287,  
88.1867

# Harmonies

## Analogous

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



11.6805, 9.2494, 120.2362



21.3021, 9.2494, 79.2598



29.3747, 9.2494, 29.3057

# Triad

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



21.3021, 9.2494, 79.2598



14.1187, 9.2494, 0.0000



1.0078, 9.2494, 19.5935

# Complementary

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



21.3021, 9.2494, 79.2598



38.3117, 63.8520, 10.3054

# 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.



1.1322, 9.2494, 1.8881



21.3021, 9.2494, 79.2598



6.4227, 9.2494, 0.0000

# Square

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



21.3021, 9.2494, 79.2598



23.8989, 9.2494, 0.0000



2.4915, 9.2494, 0.0000



1.9406, 9.2494, 64.5829



# Rectangle

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



21.3021, 9.2494, 79.2598



31.0964, 9.2494, 9.4390



2.4915, 9.2494, 0.0000



0.9502, 9.2494, 10.7307

# Sweetspot

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



21.3029, 9.2498, 79.2601



61.7972, 53.5540, 101.6876



22.8787, 21.7647, 81.5927



12.4317, 10.3969, 21.6015



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.



21.3029, 9.2498, 79.2601



25.5597, 11.0914, 95.4014



45.5041, 21.7259, 80.3927



14.8953, 14.8913, 19.0115



12.0001, 5.2222, 44.1185



1.0523, 0.4668, 3.4695



# Inverse Universe

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



38.0266, 19.1684, 21.4323



45.7351, 23.0580, 25.6007



29.8566, 59.4932, 9.9097



15.4031, 15.1891, 17.4081



21.2287, 10.6942, 12.2714

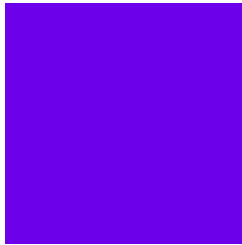


1.7155, 0.8592, 1.2191



# Previews

## White Background



This preview shows how the XYZ color 21.3021, 9.2494, 79.2598 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

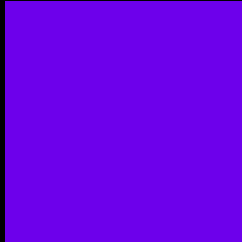
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the XYZ color 21.3021, 9.2494, 79.2598 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 21.3021, 9.2494, 79.2598

## Background



This preview shows how black text looks on a background with the XYZ color 21.3021, 9.2494, 79.2598.



This preview shows how white text looks on a background with the XYZ color 21.3021, 9.2494,



# 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

21.3021, 9.2494, 79.2598

### Protanopia

11.1061, 9.5150, 42.8462

### Deuteranopia

9.2421, 9.5467, 30.6337



## Tritanopia

8.1732, 9.5068, 13.2086

# Trichromacy



## Original Color

21.3021, 9.2494, 79.2598

## Protanomaly

12.3412, 7.0745, 54.1411

## Deuteranomaly

10.7817, 6.7548, 44.9915

## Tritanomaly

10.2517, 6.9136, 28.8111

# Monochromacy



## Original Color

21.3021, 9.2494, 79.2598

## Achromatopsia

4.1570, 4.3735, 4.7627

## Achromatomaly

7.3288, 4.3941, 19.2008

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 21.3021, 9.2494, 79.2598 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(109, 0, 235)` looks like.

```
.text, #text, p{  
    color:rgb(109, 0, 235)  
}
```

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(109, 0, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 0, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 21.3021, 9.2494, 79.2598 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(109, 0, 235) }
```



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

```
.border{ border-color:rgb(109, 0, 235) }
```

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

Here you see how a box with a 4 pixel rgb(109, 0, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 0, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 0, 235);  
box-shadow:4px 4px 4px 4px rgb(109, 0,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 21.3021, 9.2494, 79.2598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 0, 235) }
```

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

```
.background{ background-color: rgb(109, 0,  
235) }
```

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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