

# Converting Colors

XYZ(22.1094, 9.5421, 84.8779)

Have a look what the booklet for  
XYZ(22.1094, 9.5421, 84.8779)  
contains.

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# Color

**XYZ(22.0904, 9.5366,  
84.6809)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6B00F2
RGB	107, 0, 242
RGB Percent	42%, 0%, 95%
CMY	0.5804, 1.0000, 0.0510
CMYK	0.56, 1.00, 0.00, 0.05
HSL	267°, 100%, 47%
HSV	267°, 100%, 95%
XYZ	22.0904, 9.5366, 84.6809
YIQ	59.5810, -13.9100, 97.9460

# Conversions

## Conversions Part 2

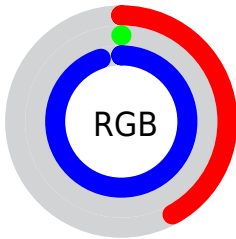
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	107, 0, 242
Decimal	7012594
CIE Lab	37.00, 78.98, -92.55
CIE LCh	37, 121.666, 310.476
Yxy	9.5366, 0.1899, 0.0820
Android (android.graphics.Color)	4285202674 (0xFF6B00F2)
YUV	59.5810, 89.9326, 41.5865
Hunter-Lab	30.8814, 73.6441, -140.9642

# Details

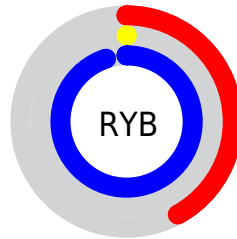
The XYZ color **22.0904, 9.5366, 84.6809** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated purple. A complement of this color would be **41.7430, 68.6549, 11.0516**, and the grayscale version is **4.1191, 4.3336, 4.7193**.

A 20% lighter version of the original color is **37.7876, 21.4394, 96.7543**, and **8.8487, 3.5622, 45.5686** is the 20% darker color. If you saturate the color by 10%, you get **22.0913, 9.5370, 84.6812**, and if you desaturate by 10%, it is **24.1739, 11.1017, 84.8735**.

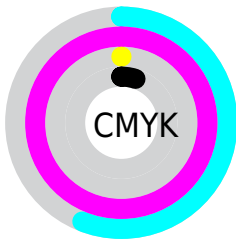
# Distribution



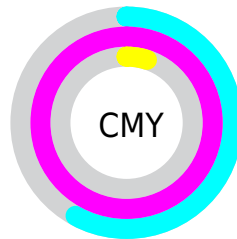
- Red (42%)
- Green (0%)
- Blue (95%)



- Red (42%)
- Yellow (0%)
- Blue (95%)



- Cyan (56%)
- Magenta (100%)
- Yellow (0%)
- Black (5%)




- Cyan (58%)
- Magenta (100%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 22.0904, 9.5366, 84.6809 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 22.0904, 9.5366, 84.6809 by changing the saturation by 10% instead.





 22.0904, 9.5366,  
84.6809


 22.0904, 9.5366,  
84.6809

255.6415,  
187.3320, 530.6886


 14.0403, 5.0928,  
63.0291


 46.3731, 24.9202,  
141.7975


 8.2306, 2.3018,  
45.4236


 63.3364, 36.6287,  
178.0993

 4.2959, 0.7747,  
31.4458


 84.0016, 51.5277,  
220.1216


 1.8709, 0.0000,  
20.6773

 108.7338, 70.0014,  
268.2829

 0.5598, 0.0000,  
12.6994

 137.8986, 92.4343,  
323.0017

 0.0000, 0.0000,  
7.0936

 171.8612,

 0.0000, 0.0000,

119.2108, 384.6966

3.4414

210.9871,  
150.7152, 453.7860

0.0000, 0.0000,  
1.3242

0.0000, 0.0000,  
0.0815

22.0904, 9.5366,  
84.6809

22.0904, 9.5366,  
84.6809

22.0913, 9.5370,  
84.6812

24.1739, 11.1017,  
84.8735

26.9328, 13.6264,  
85.2154

30.5068, 17.3733,  
85.7503

34.9821, 22.5008,  
86.5041

■ 40.4324, 29.1422,  
87.4987

■ 46.9228, 37.4146,  
88.7534

■ 54.5123, 47.4232,  
90.2852

■ 63.2548, 59.2641,  
92.1100

■ 73.2009, 73.0262,  
94.2421

# Harmonies

## Analogous

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



11.9608, 9.5366, 127.8794



22.0904, 9.5366, 84.6809



30.7130, 9.5366, 31.3292

# Triad

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



22.0904, 9.5366, 84.6809



14.8171, 9.5366, 0.0000



0.9793, 9.5366, 19.8986

# Complementary

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



22.0904, 9.5366, 84.6809



41.7430, 68.6549, 11.0516

# 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.



1.1196, 9.5366, 1.7752



22.0904, 9.5366, 84.6809



6.6777, 9.5366, 0.0000

# Square

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



22.0904, 9.5366, 84.6809



25.1472, 9.5366, 0.0000



2.5387, 9.5366, 0.0000



1.9080, 9.5366, 67.2844



# Rectangle

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



22.0904, 9.5366, 84.6809



32.6291, 9.5366, 10.0429



2.5387, 9.5366, 0.0000



0.9256, 9.5366, 10.7322

# Sweetspot

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



22.0913, 9.5370, 84.6812



61.3156, 53.3057, 101.6651



24.9917, 24.3402, 87.3857



12.3183, 10.3385, 21.5962



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.



22.0913, 9.5370, 84.6812



24.8285, 10.7144, 95.3672



47.3494, 22.5581, 85.8633



15.5606, 15.5707, 19.9069



12.0189, 5.2014, 45.4984



1.1124, 0.4907, 3.7903



# Inverse Universe

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



40.9909, 20.6264, 24.7403



46.1409, 23.2204, 27.7380



31.9682, 63.6159, 10.5942



16.1420, 15.9065, 18.3039



22.0905, 11.1086, 13.6589

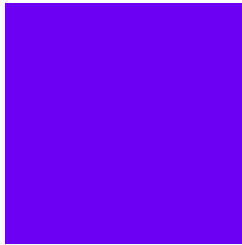


1.8877, 0.9441, 1.3995



# Previews

## White Background



This preview shows how the XYZ color 22.0904, 9.5366, 84.6809 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

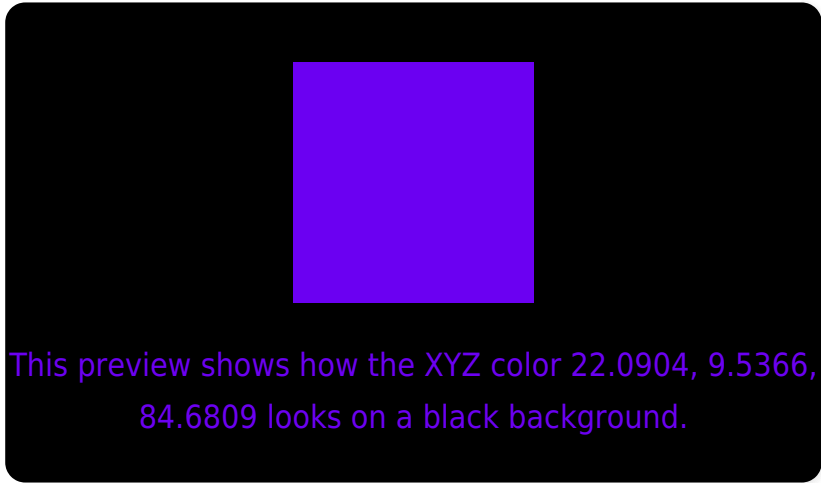
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## 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 22.0904, 9.5366, 84.6809**

## **Background**



This preview shows how black text looks on a background with the XYZ color 22.0904, 9.5366, 84.6809.



This preview shows how white text looks on a background with the XYZ color 22.0904, 9.5366,

84.6809.

# 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

22.0904, 9.5366, 84.6809

### Protanopia

11.3852, 9.7517, 43.9300

### Deuteranopia

9.4909, 9.7821, 31.5249



## Tritanopia

8.0883, 9.8346, 14.0423

# Trichromacy



## Original Color

22.0904, 9.5366, 84.6809

## Protanomaly

12.8165, 7.3339, 56.6172

## Deuteranomaly

11.1067, 6.9602, 46.6570

## Tritanomaly

10.2673, 7.0275, 30.9523

# Monochromacy



## Original Color

22.0904, 9.5366, 84.6809

## Achromatopsia

4.2949, 4.5186, 4.9208

## Achromatomaly

7.5196, 4.4704, 20.2052

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 22.0904, 9.5366, 84.6809 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(107, 0, 242)` looks like.

```
.text, #text, p{  
    color:rgb(107, 0, 242)  
}
```

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(107, 0, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 0, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 22.0904, 9.5366, 84.6809 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(107, 0, 242) }
```



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

```
.border{ border-color:rgb(107, 0, 242) }
```

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

Here you see how a box with a 4 pixel rgb(107, 0, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 0, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 0, 242);  
box-shadow:4px 4px 4px 4px rgb(107, 0,  
242) }
```

# Background

The CSS property to change the background color of an element to XYZ 22.0904, 9.5366, 84.6809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 0, 242) }
```

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

```
.background{ background-color: rgb(107, 0,  
242) }
```

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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