

# Converting Colors

XYZ(10.1774, 4.4823, 22.0146)

Have a look what the booklet for  
XYZ(10.1774, 4.4823, 22.0146)  
contains.

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# Color

**XYZ(10.3492, 4.8541,  
22.2213)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6C0084
RGB	108, 0, 132
RGB Percent	42%, 0%, 52%
CMY	0.5765, 1.0000, 0.4824
CMYK	0.18, 1.00, 0.00, 0.48
HSL	289°, 100%, 26%
HSV	289°, 100%, 52%
XYZ	10.3492, 4.8541, 22.2213
YIQ	47.3400, 21.9960, 63.9480

# Conversions

## Conversions Part 2

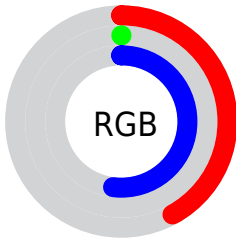
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	108, 0, 132
Decimal	7078020
CIE <sub>Lab</sub>	26.31, 56.37, -44.79
CIE <sub>LCh</sub>	26, 71.998, 321.526
Yxy	4.8541, 0.2765, 0.1297
Android (android.graphics.Color)	4285268100 (0xFF6C0084)
YUV	47.3400, 41.7374, 53.1988
Hunter-Lab	22.0320, 45.2916, -44.3769

# Details

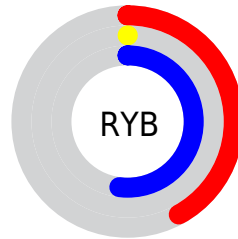
The XYZ color **10.3492, 4.8541, 22.2213** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **8.6281, 16.6969, 2.7682**, and the grayscale version is **2.6938, 2.8341, 3.0863**.

A 20% lighter version of the original color is **26.0343, 15.4659, 48.0674**, and **3.0608, 1.4063, 7.8947** is the 20% darker color. If you saturate the color by 10%, you get **10.3493, 4.8541, 22.2214**, and if you desaturate by 10%, it is **10.7919, 5.2999, 22.2841**.

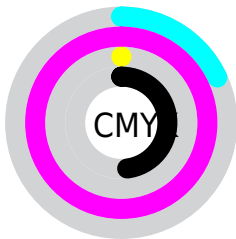
# Distribution



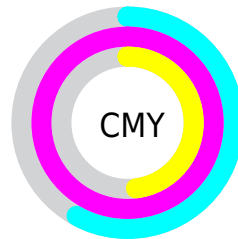
- Red (42%)
- Green (0%)
- Blue (52%)



- Red (42%)
- Yellow (0%)
- Blue (52%)



- Cyan (18%)
- Magenta (100%)
- Yellow (0%)
- Black (48%)



- Cyan (58%)
- Magenta (100%)
- Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 10.3492, 4.8541, 22.2213 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 10.3492, 4.8541, 22.2213 by changing the saturation by 10% instead.



10.3492, 4.8541,  
22.2213

10.3492, 4.8541,  
22.2213

187.1485,  
148.4066, 276.6909

5.6951, 2.1619,  
13.8197

26.0940, 15.5026,  
48.0184

2.6995, 0.6991,  
7.8581

37.9155, 24.2276,  
66.2509

0.9969, 0.0000,  
3.9178

52.8568, 35.7325,  
88.5976

0.0000, 0.0000,  
1.5804

71.2833, 50.4014,  
115.4768


0.0000, 0.0000,  
0.2767

93.5604, 68.6189,  
147.3073

0.0000, 0.0000,  
0.0000


120.0534, 90.7693,


184.5074

 151.1277,  
117.2371, 227.4958

 10.3492, 4.8541,  
22.2213

 10.3492, 4.8541,  
22.2213

 10.3493, 4.8541,  
22.2214

 10.7919, 5.2999,  
22.2841

 11.3278, 5.9204,  
22.3756

 12.0072, 6.8156,  
22.5126

 12.8463, 8.0182,  
22.7005

 13.8593, 9.5562,  
22.9440

■ 15.0587, 11.4546,  
23.2472

■ 16.4557, 13.7358,  
23.6139

■ 18.0608, 16.4204,  
24.0475

■ 19.8835, 19.5278,  
24.5512

# Harmonies

## Analogous

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



6.9228, 4.8541, 37.2937



10.3492, 4.8541, 22.2213



12.4022, 4.8541, 7.9428

# Triad

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



10.3492, 4.8541, 22.2213



5.4666, 4.8541, 0.0000



1.1690, 4.8541, 13.3566

# Complementary

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



10.3492, 4.8541, 22.2213



8.6281, 16.6969, 2.7682

# 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.



1.0450, 4.8541, 3.2985



10.3492, 4.8541, 22.2213



2.8853, 4.8541, 0.0000

# Square

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



10.3492, 4.8541, 22.2213



8.9162, 4.8541, 0.0000



1.5220, 4.8541, 0.0403



1.9809, 4.8541, 29.4376



# Rectangle

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



10.3492, 4.8541, 22.2213



12.3048, 4.8541, 2.7347



1.5220, 4.8541, 0.0403



1.0639, 4.8541, 9.0688

# Sweetspot

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



10.3494, 4.8543, 22.2214



28.8094, 23.9026, 41.5484



4.4958, 2.3277, 22.0423



6.4930, 5.2126, 9.6166



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



10.3494, 4.8543, 22.2214



18.1156, 8.4915, 39.1374



11.3699, 5.6473, 10.2088



4.7771, 4.7212, 5.8603



10.0247, 4.7021, 21.5159



0.0401, 0.0191, 0.0748



# Inverse Universe

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



9.6807, 4.9716, 1.3138



17.0101, 8.7404, 2.0912



8.6658, 16.6684, 4.9327



4.7046, 4.7015, 5.0568



9.3748, 4.8143, 1.2801



0.0345, 0.0175, 0.0149



# Previews

## White Background



This preview shows how the XYZ color 10.3492, 4.8541, 22.2213 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

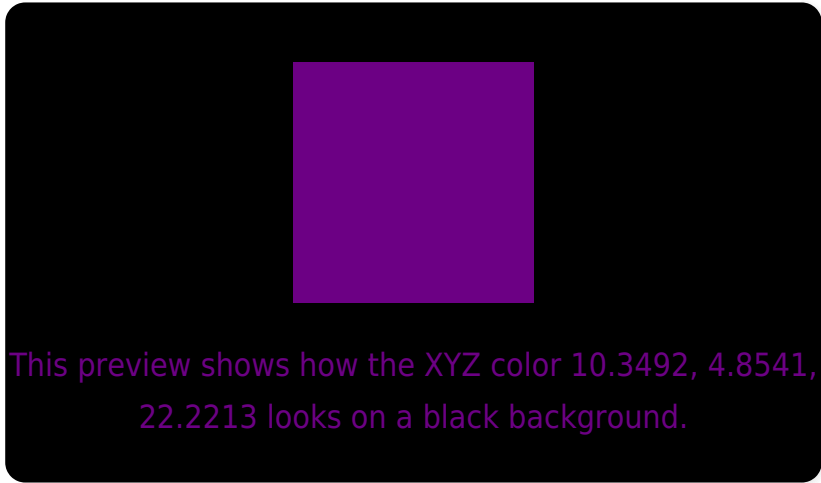
Any Text WCAG AA ✓ Pass

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

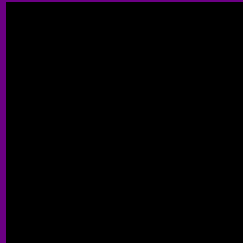
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 10.3492, 4.8541, 22.2213**

## **Background**



This preview shows how black text looks on a background with the XYZ color 10.3492, 4.8541, 22.2213.



This preview shows how white text looks on a background with the XYZ color 10.3492, 4.8541,



# 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

10.3492, 4.8541, 22.2213

### Protanopia

6.0806, 5.2762, 23.2522

### Deuteranopia

5.2180, 5.2987, 17.5773



## Tritanopia

6.8473, 5.2732, 4.2714

# Trichromacy



## Original Color

10.3492, 4.8541, 22.2213

## Protanomaly

5.8291, 3.6424, 22.5861

## Deuteranomaly

5.2134, 3.5642, 18.8255

## Tritanomaly

7.4720, 4.4789, 8.6543

# Monochromacy



## Original Color

10.3492, 4.8541, 22.2213

## Achromatopsia

2.7019, 2.8426, 3.0956

## Achromatomaly

4.2937, 2.7438, 7.5110

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 10.3492, 4.8541, 22.2213 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(108, 0, 132)` looks like.

```
.text, #text, p{  
  color:rgb(108, 0, 132)  
}
```

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(108, 0, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 0, 132) }
```

## Border

The CSS property to change the border of an element to XYZ 10.3492, 4.8541, 22.2213 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(108, 0, 132) }
```



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

```
.border{ border-color:rgb(108, 0, 132) }
```

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

Here you see how a box with a 4 pixel rgb(108, 0, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 0, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 0, 132);  
box-shadow:4px 4px 4px 4px rgb(108, 0,  
132) }
```

# Background

The CSS property to change the background color of an element to XYZ 10.3492, 4.8541, 22.2213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 0, 132) }
```

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

```
.background{ background-color: rgb(108, 0,  
132) }
```

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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