

# Converting Colors

XYZ(24.0962, 10.8615, 71.6322)

Have a look what the booklet for  
XYZ(24.0962, 10.8615, 71.6322)  
contains.

<b>XYZ(24.1020, 10.8708, 71.3490)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(24.1020, 10.8708,  
71.3490)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8B00E0
RGB	139, 0, 224
RGB Percent	55%, 0%, 88%
CMY	0.4549, 1.0000, 0.1216
CMYK	0.38, 1.00, 0.00, 0.12
HSL	277°, 100%, 44%
HSV	277°, 100%, 88%
XYZ	24.1020, 10.8708, 71.3490
YIQ	67.0970, 10.9400, 99.1320

# Conversions

## Conversions Part 2

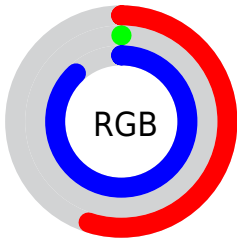
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	139, 0, 224
Decimal	9109728
CIE <sub>Lab</sub>	39.36, 77.85, -78.26
CIE <sub>LCh</sub>	39, 110.388, 314.847
Yxy	10.8708, 0.2267, 0.1022
Android (android.graphics.Color)	4287299808 (0xFF8B00E0)
YUV	67.0970, 77.3532, 63.0589
Hunter-Lab	32.9709, 72.7859, -105.2239

# Details

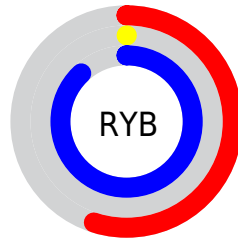
The XYZ color **24.1020, 10.8708, 71.3490** is a dark color, and the websafe version is hex **9933FF**. The color can be described as dark washed purple. A complement of this color would be **30.4018, 55.2427, 9.0606**, and the grayscale version is **5.2315, 5.5039, 5.9938**.

A 20% lighter version of the original color is **44.8867, 25.5339, 97.1705**, and **10.0356, 4.3678, 36.8733** is the 20% darker color. If you saturate the color by 10%, you get **24.1027, 10.8711, 71.3493**, and if you desaturate by 10%, it is **25.8723, 12.2207, 71.5165**.

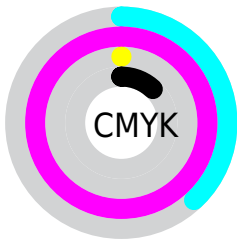
# Distribution



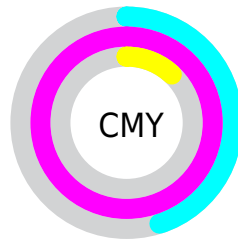
- Red (55%)
- Green (0%)
- Blue (88%)



- Red (55%)
- Yellow (0%)
- Blue (88%)



- Cyan (38%)
- Magenta (100%)
- Yellow (0%)
- Black (12%)



- Cyan (45%)
- Magenta (100%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1020, 10.8708, 71.3490 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 24.1020, 10.8708, 71.3490 by changing the saturation by 10% instead.



24.1020, 10.8708,  
71.3490

24.1020, 10.8708,  
71.3490

265.7667,  
196.7790, 484.1890

15.5344, 5.9800,  
52.1435

49.6501, 27.4210,  
122.8296

9.2841, 2.8329,  
36.7364

67.3613, 39.8492,  
155.9418

4.9855, 1.0451,  
24.7093

88.8511, 55.5587,  
194.5266

2.2734, 0.0000,  
15.6436

114.4849, 74.9339,  
239.0026

0.7810, 0.0000,  
9.1207

144.6280, 98.3591,  
289.7883

0.0000, 0.0000,  
4.7221

179.6457,

0.0000, 0.0000,

126.2187, 347.3022

2.0293

219.9035,  
158.8973, 411.9630

■ 0.0000, 0.0000,  
0.5732

■ 0.0000, 0.0000,  
0.0000

■ 24.1020, 10.8708,  
71.3490

■ 24.1020, 10.8708,  
71.3490

■ 24.1027, 10.8711,  
71.3493

■ 25.8723, 12.2207,  
71.5165

■ 28.0963, 14.3116,  
71.8029

■ 30.8875, 17.3661,  
72.2453

■ 34.3112, 21.5114,  
72.8650

■ 38.4228, 26.8548,  
73.6797

■ 43.2708, 33.4903,  
74.7050

■ 48.8989, 41.5023,  
75.9548

■ 55.3473, 50.9680,  
77.4420

■ 62.6531, 61.9586,  
79.1783

# Harmonies

## Analogous

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



14.4593, 10.8708, 112.4390



24.1020, 10.8708, 71.3490



31.2724, 10.8708, 26.1429

# Triad

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



24.1020, 10.8708, 71.3490



14.5520, 10.8708, 0.0000



1.7459, 10.8708, 25.7853

# Complementary

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



24.1020, 10.8708, 71.3490



30.4018, 55.2427, 9.0606

# 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.



1.7520, 10.8708, 4.0200



24.1020, 10.8708, 71.3490



7.0765, 10.8708, 0.0000

# Square

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



24.1020, 10.8708, 71.3490



24.1974, 10.8708, 0.0000



3.1604, 10.8708, 0.0000



3.1359, 10.8708, 70.8366



# Rectangle

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



24.1020, 10.8708, 71.3490



32.2177, 10.8708, 8.6946



3.1604, 10.8708, 0.0000



1.6185, 10.8708, 15.6564

# Sweetspot

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



24.1027, 10.8711, 71.3493



65.4253, 55.4244, 101.8574



16.7718, 12.0162, 71.9567



13.2914, 10.8401, 21.6418



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.



24.1027, 10.8711, 71.3493



32.1979, 14.5135, 95.7121



40.9183, 19.9184, 55.0337



13.7649, 13.6623, 17.2993



14.1611, 6.3956, 41.5365



1.0802, 0.4941, 2.8837



# Inverse Universe

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



32.3802, 16.5032, 10.0725



43.3865, 22.1186, 13.2332



26.8437, 53.3867, 9.8750



13.9213, 13.7862, 15.3559



18.8992, 9.6267, 6.1352



1.3526, 0.6843, 0.6497



# Previews

## White Background



This preview shows how the XYZ color 24.1020, 10.8708, 71.3490 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

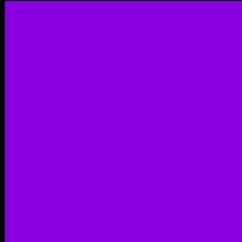
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 24.1020, 10.8708, 71.3490 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

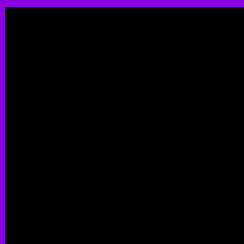
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 24.1020, 10.8708, 71.3490**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.1020, 10.8708, 71.3490.



This preview shows how white text looks on a background with the XYZ color 24.1020, 10.8708,



# 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

24.1020, 10.8708, 71.3490

### Protanopia

13.2555, 11.2879, 51.3493

### Deuteranopia

11.0662, 11.2660, 37.1886



## Tritanopia

12.2386, 11.1353, 12.0939

# Trichromacy



## Original Color

24.1020, 10.8708, 71.3490



## Protanomaly

13.7774, 8.0896, 57.9620



## Deuteranomaly

11.9508, 7.6942, 47.3096



## Tritanomaly

14.1999, 8.7930, 26.1481

# Monochromacy



## Original Color

24.1020, 10.8708, 71.3490



## Achromatopsia

5.3350, 5.6128, 6.1124



## Achromatomaly

9.0162, 5.5101, 19.6571

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.1020, 10.8708, 71.3490 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(139, 0, 224)` looks like.

```
.text, #text, p{  
    color:rgb(139, 0, 224)  
}
```

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(139, 0, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 0, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 24.1020, 10.8708, 71.3490 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(139, 0, 224) }
```



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

```
.border{ border-color:rgb(139, 0, 224) }
```

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

Here you see how a box with a 4 pixel rgb(139, 0, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 0, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 0, 224);  
box-shadow:4px 4px 4px 4px rgb(139, 0,  
224) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.1020, 10.8708, 71.3490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 0, 224) }
```

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

```
.background{ background-color: rgb(139, 0,  
224) }
```

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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