

# Converting Colors

XYZ(30.7419, 14.7979, 83.6741)

Have a look what the booklet for  
XYZ(30.7419, 14.7979, 83.6741)  
contains.

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# Color

**XYZ(30.7419, 14.7979,  
83.6741)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A020F0
RGB	160, 32, 240
RGB Percent	63%, 13%, 94%
CMY	0.3725, 0.8745, 0.0588
CMYK	0.33, 0.87, 0.00, 0.06
HSL	277°, 87%, 53%
HSV	277°, 87%, 94%
XYZ	30.7419, 14.7979, 83.6741
YIQ	93.9840, 9.5200, 91.8240

# Conversions

## Conversions Part 2

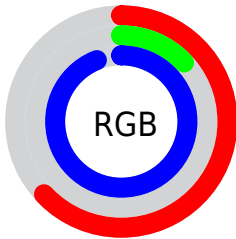
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	160, 32, 240
Decimal	10494192
CIE <sub>Lab</sub>	45.36, 78.75, -77.41
CIE <sub>LCh</sub>	45, 110.423, 315.493
Yxy	14.7979, 0.2379, 0.1145
Android (android.graphics.Color)	4288684272 (0xFFA020F0)
YUV	93.9840, 71.9859, 57.8960
Hunter-Lab	38.4680, 75.3300, -102.0375

# Details

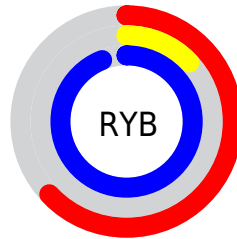
The XYZ color **30.7419, 14.7979, 83.6741** is a light color, and the websafe version is hex **9933FF**, and the color name is **purple (x11)**. The color can be described as light washed purple. A complement of this color would be **38.1029, 65.8694, 12.0725**, and the grayscale version is **10.4703, 11.0156, 11.9960**.

A 20% lighter version of the original color is **52.2365, 31.3275, 97.9014**, and **13.6928, 6.0715, 45.2500** is the 20% darker color. If you saturate the color by 10%, you get **28.5355, 13.0226, 83.4480**, and if you desaturate by 10%, it is **33.5550, 17.5808, 84.0633**.

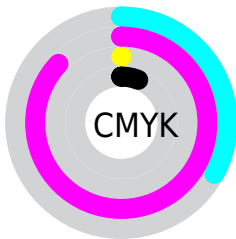
# Distribution



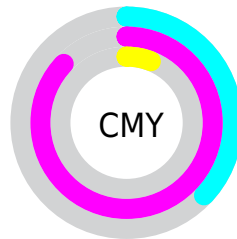
- Red (63%)
- Green (13%)
- Blue (94%)



- Red (63%)
- Yellow (13%)
- Blue (94%)



- Cyan (33%)
- Magenta (87%)
- Yellow (0%)
- Black (6%)




- Cyan (37%)
- Magenta (87%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7419, 14.7979, 83.6741 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 30.7419, 14.7979, 83.6741 by changing the saturation by 10% instead.





 30.7419, 14.7979,  
83.6741


 30.7419, 14.7979,  
83.6741


297.1956,  
222.1397, 527.2601


 20.5533, 8.6777,  
62.2026


 60.2121, 34.4982,  
140.3769

 12.9084, 4.5315,  
44.7596


 80.2244, 48.8472,  
176.4452


 7.4421, 1.9751,  
30.9265


 104.2419, 66.7077,  
218.2162

 3.7889, 0.5930,  
20.2849

 132.6300, 88.4644,  
266.1084

 1.5834, 0.0000,  
12.4162

 165.7541,  
114.5015, 320.5403

 0.3815, 0.0000,  
6.9018

 203.9795,

 0.0000, 0.0000,

145.2035, 381.9306

3.3233

247.6715,  
180.9548, 450.6976

■ 0.0000, 0.0000,  
1.2620

■ 0.0000, 0.0000,  
0.0303

■ 30.7419, 14.7979,  
83.6741

■ 30.7419, 14.7979,  
83.6741

■ 28.5355, 13.0226,  
83.4480

■ 33.5550, 17.5808,  
84.0633

■ 27.8859, 12.5588,  
83.3928

■ 37.0639, 21.5490,  
84.6443

■ 41.3428, 26.8451,  
85.4410

■ 46.4542, 33.5905,  
86.4736

■ 52.4538, 41.8927,  
87.7599

■ 59.3920, 51.8486,  
89.3159

■ 67.3152, 63.5471,  
91.1563

■ 76.2662, 77.0706,  
93.2949

■ 86.2855, 92.4963,  
95.7443

# Harmonies

## Analogous

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



19.3154, 14.7979, 130.0427



30.7419, 14.7979, 83.6741



38.9442, 14.7979, 32.3441

# Triad

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



30.7419, 14.7979, 83.6741



18.9558, 14.7979, 0.0000



3.0023, 14.7979, 33.6976

# Complementary

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



30.7419, 14.7979, 83.6741



38.1029, 65.8694, 12.0725

# 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.



2.9744, 14.7979, 6.4902



30.7419, 14.7979, 83.6741



9.8642, 14.7979, 0.0000

# Square

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



30.7419, 14.7979, 83.6741



30.3822, 14.7979, 0.0000



4.8706, 14.7979, 0.0555



4.9771, 14.7979, 85.5294



# Rectangle

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



30.7419, 14.7979, 83.6741



39.9000, 14.7979, 11.7490



4.8706, 14.7979, 0.0555



2.8070, 14.7979, 21.4410

# Sweetspot

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



30.7427, 14.7984, 83.6745



68.6563, 60.2268, 102.6141



22.4777, 18.9059, 84.9029



14.0713, 11.9851, 21.8217



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.



30.7427, 14.7984, 83.6745



31.9402, 14.3807, 95.7001



49.2645, 24.6835, 69.3243



15.8313, 15.7103, 19.9196



15.4182, 6.9538, 45.6575



1.3933, 0.6356, 3.8035



# Inverse Universe

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



39.3765, 20.7283, 17.2546



43.4481, 22.1432, 13.5577



32.3940, 62.8828, 13.7746



16.0244, 15.8595, 17.6847



20.7964, 10.5910, 6.8445

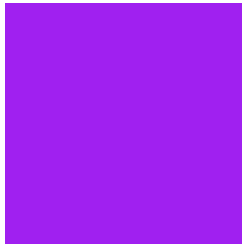


1.7772, 0.8999, 0.8178



# Previews

## White Background



This preview shows how the XYZ color 30.7419, 14.7979, 83.6741 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

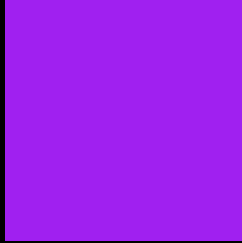
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 30.7419, 14.7979, 83.6741 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 30.7419, 14.7979, 83.6741**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.7419, 14.7979, 83.6741.



This preview shows how white text looks on a background with the XYZ color 30.7419, 14.7979,

83.6741.

# 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

30.7419, 14.7979, 83.6741

### Protanopia

17.7365, 15.0151, 68.9812

### Deuteranopia

14.8702, 14.8696, 50.8016



## Tritanopia

16.8162, 14.7202, 15.3196

# Trichromacy



## Original Color

30.7419, 14.7979, 83.6741



## Protanomaly

18.3344, 11.8944, 74.0026



## Deuteranomaly

16.1474, 11.4882, 61.0409



## Tritanomaly

19.7169, 13.0275, 32.0472

# Monochromacy



## Original Color

30.7419, 14.7979, 83.6741



## Achromatopsia

10.6392, 11.1932, 12.1894



## Achromatomaly

14.9909, 10.4646, 28.8335

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.7419, 14.7979, 83.6741 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(160, 32, 240)` looks like.

```
.text, #text, p{  
    color:rgb(160, 32, 240)  
}
```

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(160, 32, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 32, 240) }
```

## Border

The CSS property to change the border of an element to XYZ 30.7419, 14.7979, 83.6741 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(160, 32, 240) }
```



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

```
.border{ border-color:rgb(160, 32, 240) }
```

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

Here you see how a box with a 4 pixel rgb(160, 32, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 32, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 32, 240);  
box-shadow:4px 4px 4px 4px rgb(160, 32,  
240) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.7419, 14.7979, 83.6741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 32, 240) }
```

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

```
.background{ background-color: rgb(160, 32,  
240) }
```

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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