

# Converting Colors

XYZ(30.8035, 20.3821, 96.9183)

Have a look what the booklet for  
XYZ(30.8035, 20.3821, 96.9183)  
contains.

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# Color

**XYZ(30.8240, 20.4288,  
96.9263)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7C63FF
RGB	124, 99, 255
RGB Percent	49%, 39%, 100%
CMY	0.5137, 0.6118, 0.0000
CMYK	0.51, 0.61, 0.00, 0.00
HSL	250°, 100%, 69%
HSV	250°, 61%, 100%
XYZ	30.8240, 20.4288, 96.9263
YIQ	124.2590, -35.1760, 53.8160

# Conversions

## Conversions Part 2

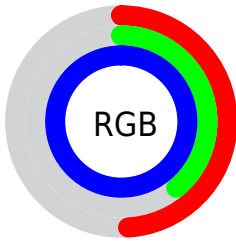
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	124, 99, 255
Decimal	8152063
CIE <sub>Lab</sub>	52.32, 49.04, -74.60
CIE <sub>LCh</sub>	52, 89.280, 303.321
Yxy	20.4288, 0.2080, 0.1379
Android (android.graphics.Color)	4286342143 (0xFF7C63FF)
YUV	124.2590, 64.4553, -0.2271
Hunter-Lab	45.1982, 42.6354, -95.5069

# Details

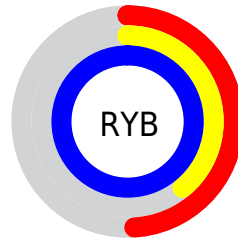
The XYZ color **30.8240, 20.4288, 96.9263** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **70.6437, 89.2431, 25.3069**, and the grayscale version is **19.0456, 20.0375, 21.8208**.

A 20% lighter version of the original color is **49.1242, 39.6675, 99.6752**, and **12.9060, 7.1823, 53.5294** is the 20% darker color. If you saturate the color by 10%, you get **26.0125, 14.9107, 96.1148**, and if you desaturate by 10%, it is **37.0715, 27.8190, 98.0235**.

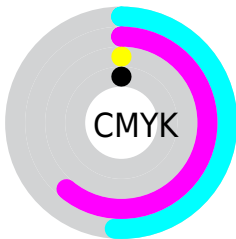
# Distribution



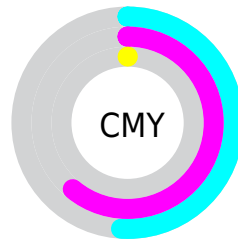
- Red (49%)
- Green (39%)
- Blue (100%)



- Red (49%)
- Yellow (39%)
- Blue (100%)



- Cyan (51%)
- Magenta (61%)
- Yellow (0%)
- Black (0%)



- Cyan (51%)
- Magenta (61%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8240, 20.4288, 96.9263 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 30.8240, 20.4288, 96.9263 by changing the saturation by 10% instead.



■ 30.8240, 20.4288,  
96.9263

■ 30.8240, 20.4288,  
96.9263

297.5680,  
254.2271, 571.4547

■ 20.6160, 12.7071,  
73.1336

■ 60.3406, 44.1349,  
158.9416

■ 12.9545, 7.2272,  
53.5927

■ 80.3799, 60.8882,  
198.0012

■ 7.4740, 3.6046,  
37.8852

■ 104.4271, 81.4208,  
242.9869

■ 3.8092, 1.4549,  
25.5924

■ 132.8475,  
106.1170, 294.3171

■ 1.5948, 0.2567,  
16.2960

166.0064,  
135.3614, 352.4105

■ 0.3890, 0.0000,  
9.5772

204.2693,

■ 0.0000, 0.0000,

169.5383, 417.6855

5.0176

248.0013,  
209.0320, 490.5607

■ 0.0000, 0.0000,  
2.1987

■ 0.0000, 0.0000,  
0.6736

■ 30.8240, 20.4288,  
96.9263

■ 30.8240, 20.4288,  
96.9263

■ 26.0125, 14.9107,  
96.1148

■ 37.0715, 27.8190,  
98.0235

■ 22.5158, 11.0913,  
95.5619

■ 44.8572, 37.2301,  
99.4296

■ 20.1961, 8.7666,  
95.2354

■ 54.2768, 48.7976,  
101.1659

■ 18.9594, 7.6888,  
95.0926

■ 65.4174, 62.6449,  
103.2516

■ 78.3600, 78.8859,  
105.7042

■ 93.1802, 97.6268,  
108.5405

■ 95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



20.4582, 20.4288, 120.5822



30.8240, 20.4288, 96.9263



39.8585, 20.4288, 53.5577

# Triad

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



30.8240, 20.4288, 96.9263



28.4748, 20.4288, 0.7291



6.5840, 20.4288, 25.3043

# Complementary

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



30.8240, 20.4288, 96.9263



70.6437, 89.2431, 25.3069

# 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.



7.5255, 20.4288, 6.3858



30.8240, 20.4288, 96.9263



18.4117, 20.4288, 0.0751

# Square

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



30.8240, 20.4288, 96.9263



38.2286, 20.4288, 4.4220



11.2415, 20.4288, 1.0964



8.0826, 20.4288, 63.2023



# Rectangle

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



30.8240, 20.4288, 96.9263



42.7699, 20.4288, 28.6597



11.2415, 20.4288, 1.0964



6.6280, 20.4288, 16.8643

# Sweetspot

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



30.8249, 20.4294, 96.9264



69.3292, 67.5387, 103.9900



51.9399, 67.3611, 104.8722



14.0707, 13.4944, 22.1130



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.



30.8249, 20.4294, 96.9264



25.2804, 14.0929, 95.9955



46.4384, 28.4784, 97.6570



17.2741, 17.5175, 22.7207



9.9863, 4.0586, 49.6916



1.0462, 0.4333, 4.8418



# Inverse Universe

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



59.9842, 35.8967, 78.6265



56.9717, 30.9429, 74.3201



51.2627, 79.2518, 24.3999



18.6602, 18.2474, 22.0938



27.9461, 13.6677, 34.6964

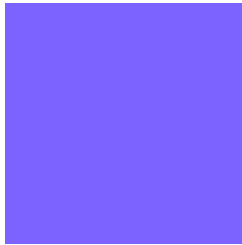


2.7530, 1.3436, 3.5469



# Previews

## White Background



This preview shows how the XYZ color 30.8240, 20.4288, 96.9263 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

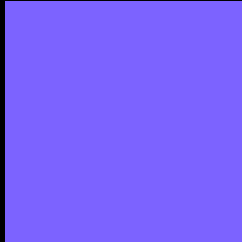
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 30.8240, 20.4288, 96.9263 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

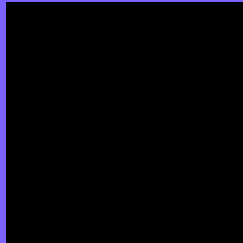
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 30.8240, 20.4288, 96.9263**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.8240, 20.4288, 96.9263.



This preview shows how white text looks on a background with the XYZ color 30.8240, 20.4288,



# 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

30.8240, 20.4288, 96.9263

### Protanopia

24.6059, 20.5887, 96.4431

### Deuteranopia

20.5076, 20.3461, 70.5565



## Tritanopia

17.1186, 20.3094, 28.6091

# Trichromacy



## Original Color

30.8240, 20.4288, 96.9263

## Protanomaly

24.7658, 19.3020, 96.1863

## Deuteranomaly

22.1515, 19.1637, 79.6222

## Tritanomaly

20.6236, 19.4373, 47.4645

# Monochromacy



## Original Color

30.8240, 20.4288, 96.9263

## Achromatopsia

19.1579, 20.1556, 21.9495

## Achromatomaly

21.8893, 19.5251, 41.6448

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.8240, 20.4288, 96.9263 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(124, 99, 255)` looks like.

```
.text, #text, p{  
    color:rgb(124, 99, 255)  
}
```

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(124, 99, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 99, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 30.8240, 20.4288, 96.9263 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(124, 99, 255) }
```



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

```
.border{ border-color:rgb(124, 99, 255) }
```

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

Here you see how a box with a 4 pixel rgb(124, 99, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 99, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 99, 255);  
box-shadow:4px 4px 4px 4px rgb(124, 99,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.8240, 20.4288, 96.9263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 99, 255) }
```

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

```
.background{ background-color: rgb(124, 99,  
255) }
```

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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