

# Converting Colors

XYZ(30.4464, 20.1604, 90.2979)

Have a look what the booklet for  
XYZ(30.4464, 20.1604, 90.2979)  
contains.

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# Color

**XYZ(30.4233, 20.0901,  
90.2700)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8361F7
RGB	131, 97, 247
RGB Percent	51%, 38%, 97%
CMY	0.4863, 0.6196, 0.0314
CMYK	0.47, 0.61, 0.00, 0.03
HSL	254°, 90%, 67%
HSV	254°, 61%, 97%
XYZ	30.4233, 20.0901, 90.2700
YIQ	124.2660, -27.8860, 53.8580

# Conversions

## Conversions Part 2

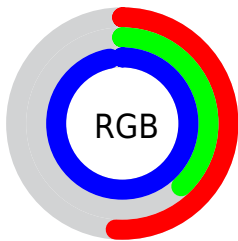
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	131, 97, 247
Decimal	8610295
CIE Lab	51.94, 49.19, -70.75
CIE LCh	52, 86.166, 304.808
Yxy	20.0901, 0.2161, 0.1427
Android (android.graphics.Color)	4286800375 (0xFF8361F7)
YUV	124.2660, 60.5079, 5.9057
Hunter-Lab	44.8220, 42.7199, -88.0327

# Details

The XYZ color **30.4233, 20.0901, 90.2700** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **62.8581, 81.5305, 23.7335**, and the grayscale version is **19.0589, 20.0514, 21.8360**.

A 20% lighter version of the original color is **50.2833, 39.7913, 99.6380**, and **12.8055, 7.0968, 49.4101** is the 20% darker color. If you saturate the color by 10%, you get **25.7954, 14.8277, 89.4986**, and if you desaturate by 10%, it is **36.3087, 27.0553, 91.3047**.

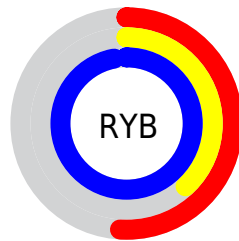
# Distribution



Red (51%)

Green (38%)

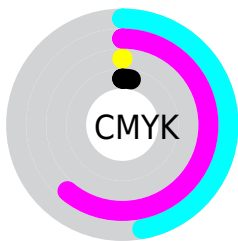
Blue (97%)



Red (51%)

Yellow (38%)

Blue (97%)

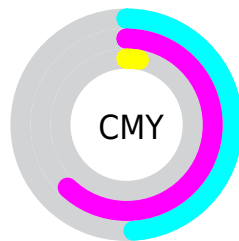


Cyan (47%)

Magenta (61%)

Yellow (0%)

Black (3%)



Cyan (49%)

Magenta (62%)


Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.4233, 20.0901, 90.2700 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 30.4233, 20.0901, 90.2700 by changing the saturation by 10% instead.




 30.4233, 20.0901,  
90.2700


 30.4233, 20.0901,  
90.2700


295.7471,  
252.4025, 549.5015


 20.3098, 12.4606,  
67.6296


 59.7130, 43.5682,  
149.6522

 12.7300, 7.0582,  
49.1317


 79.6199, 60.1855,  
187.2311

 7.3186, 3.4985,  
34.3576


 103.5219, 80.5676,  
230.6265

 3.7102, 1.3972,  
22.8889

 131.7845,  
105.0988, 280.2571

 1.5395, 0.2147,  
14.3069

164.7730,  
134.1634, 336.5414

 0.3525, 0.0000,  
8.1933

202.8527,

 0.0000, 0.0000,

168.1460, 399.8978

4.1293

246.3889,  
207.4309, 470.7450

■ 0.0000, 0.0000,  
1.6966

■ 0.0000, 0.0000,  
0.3584

■ 30.4233, 20.0901,  
90.2700

■ 30.4233, 20.0901,  
90.2700

■ 25.7954, 14.8277,  
89.4986

■ 36.3087, 27.0553,  
91.3047

■ 22.3237, 11.1138,  
88.9647

■ 43.5360, 35.8550,  
92.6223

■ 19.8943, 8.7684,  
88.6401

■ 52.1854, 46.6099,  
94.2423

■ 18.4192, 7.5560,  
88.4838

■ 62.3299, 59.4299,  
96.1821

■ 74.0373, 74.4164,  
98.4578

■ 87.3710, 91.6643,  
101.0842

■ 93.7886, 99.4954,  
102.2575

# Harmonies

## Analogous

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



20.5429, 20.0901, 113.8550



30.4233, 20.0901, 90.2700



38.7691, 20.0901, 49.5279

# Triad

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



30.4233, 20.0901, 90.2700



27.2059, 20.0901, 0.8096



6.7421, 20.0901, 26.1753

# Complementary

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



30.4233, 20.0901, 90.2700



62.8581, 81.5305, 23.7335

# 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.



7.5432, 20.0901, 7.0892



30.4233, 20.0901, 90.2700



17.7168, 20.0901, 0.2578

# Square

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



30.4233, 20.0901, 90.2700



36.5477, 20.0901, 4.2701



10.9989, 20.0901, 1.3586



8.3296, 20.0901, 62.6209



# Rectangle

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



30.4233, 20.0901, 90.2700



41.2812, 20.0901, 26.5405



10.9989, 20.0901, 1.3586



6.7470, 20.0901, 17.7905

# Sweetspot

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



30.4243, 20.0907, 90.2705



70.2407, 68.0086, 104.0326



45.8919, 57.6038, 96.6961



14.2892, 13.6070, 22.1232



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.



30.4243, 20.0907, 90.2705



26.7307, 14.8405, 96.0634



46.1027, 28.1732, 91.0043



15.9326, 16.1079, 20.8120



9.8419, 4.0480, 46.8006



0.9507, 0.4000, 4.1173



# Inverse Universe

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



54.6425, 33.1277, 66.4625



55.3438, 30.2918, 65.7479



46.1499, 72.9172, 22.9515



17.0435, 16.7002, 19.9755



25.3164, 12.4700, 27.4383

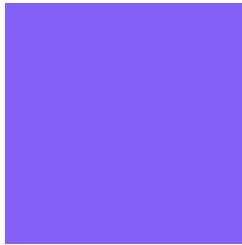


2.2635, 1.1113, 2.6137



# Previews

## White Background



This preview shows how the XYZ color 30.4233, 20.0901, 90.2700 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

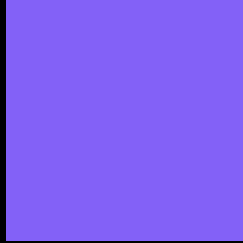
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 30.4233, 20.0901, 90.2700 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

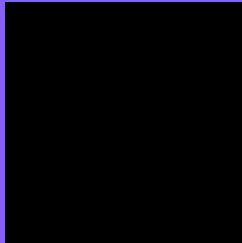
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 30.4233, 20.0901, 90.2700**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.4233, 20.0901, 90.2700.



This preview shows how white text looks on a background with the XYZ color 30.4233, 20.0901,



# 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

30.4233, 20.0901, 90.2700

### Protanopia

24.3264, 20.2855, 95.5619

### Deuteranopia

20.3791, 20.0890, 70.5136



## Tritanopia

17.6734, 20.0400, 26.9814

# Trichromacy



## Original Color

30.4233, 20.0901, 90.2700



## Protanomaly

24.3160, 18.9623, 93.6453



## Deuteranomaly

21.6326, 18.6030, 77.3135



## Tritanomaly

21.0793, 19.3817, 44.7495

# Monochromacy



## Original Color

30.4233, 20.0901, 90.2700



## Achromatopsia

19.1579, 20.1556, 21.9495



## Achromatomaly

21.9311, 19.4112, 40.1270

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.4233, 20.0901, 90.2700 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(131, 97, 247)` looks like.

```
.text, #text, p{  
    color:rgb(131, 97, 247)  
}
```

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(131, 97, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 97, 247) }
```

## Border

The CSS property to change the border of an element to XYZ 30.4233, 20.0901, 90.2700 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(131, 97, 247) }
```



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

```
.border{ border-color:rgb(131, 97, 247) }
```

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

Here you see how a box with a 4 pixel rgb(131, 97, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 97, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 97, 247);  
box-shadow:4px 4px 4px 4px rgb(131, 97,  
247) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.4233, 20.0901, 90.2700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 97, 247) }
```

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

```
.background{ background-color: rgb(131, 97,  
247) }
```

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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