

# Converting Colors

XYZ(30.3784, 20.5575, 93.6337)

Have a look what the booklet for  
XYZ(30.3784, 20.5575, 93.6337)  
contains.

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# Color

**XYZ(30.3784, 20.5575,  
93.6337)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7C65FB
RGB	124, 101, 251
RGB Percent	49%, 40%, 98%
CMY	0.5137, 0.6039, 0.0157
CMYK	0.51, 0.60, 0.00, 0.02
HSL	249°, 95%, 69%
HSV	249°, 60%, 98%
XYZ	30.3784, 20.5575, 93.6337
YIQ	124.9770, -34.4420, 51.5260

# Conversions

## Conversions Part 2

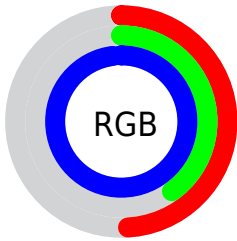
<b>Format</b>	<b>Color</b>
<b>RYB</b>	124, 101, 251
Decimal	8152571
CIELab	52.46, 46.76, -72.15
CIELCh	52, 85.982, 302.948
Yxy	20.5575, 0.2101, 0.1422
Android (android.graphics.Color)	4286342651 (0xFF7C65FB)
YUV	124.9770, 62.1293, -0.8568
Hunter-Lab	45.3404, 40.2507, -90.7032

# Details

The XYZ color **30.3784, 20.5575, 93.6337** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **68.8401, 86.4277, 25.3661**, and the grayscale version is **19.2922, 20.2969, 22.1033**.

A 20% lighter version of the original color is **49.2084, 40.1928, 99.7722**, and **12.7024, 7.3263, 51.1967** is the 20% darker color. If you saturate the color by 10%, you get **25.5557, 14.9894, 92.8136**, and if you desaturate by 10%, it is **36.6087, 27.9557, 94.7338**.

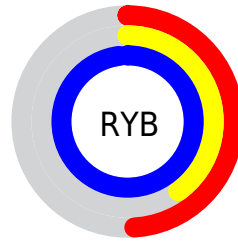
# Distribution



Red (49%)

Green (40%)

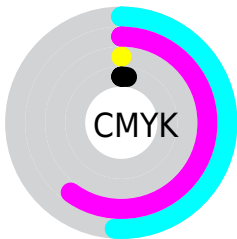
Blue (98%)



Red (49%)

Yellow (40%)

Blue (98%)

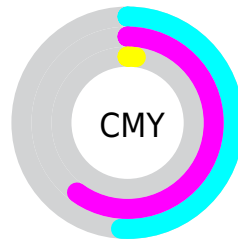


Cyan (51%)

Magenta (60%)

Yellow (0%)

Black (2%)



Cyan (51%)

Magenta (60%)


Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3784, 20.5575, 93.6337 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 30.3784, 20.5575, 93.6337 by changing the saturation by 10% instead.




 30.3784, 20.5575,  
93.6337


 30.3784, 20.5575,  
93.6337

295.5426,  
254.9174, 560.6538

 20.2755, 12.8009,  
70.4077


 59.6426, 44.3499,  
154.3549


 12.7049, 7.2916,  
51.3802


 79.5346, 61.1546,  
192.6873

 7.3012, 3.6451,  
36.1324

 103.4204, 81.7440,  
236.8922

 3.6992, 1.4771,  
24.2460

 131.6652,  
106.5027, 287.3882

 1.5334, 0.2725,  
15.3023

164.6345,  
135.8150, 344.5938

 0.3484, 0.0000,  
8.8828

202.6936,

 0.0000, 0.0000,

170.0653, 408.9276

4.5691

246.2078,  
209.6379, 480.8081

■ 0.0000, 0.0000,  
1.9424

■ 0.0000, 0.0000,  
0.5195

■ 30.3784, 20.5575,  
93.6337

■ 30.3784, 20.5575,  
93.6337

■ 25.5557, 14.9894,  
92.8136

■ 36.6087, 27.9557,  
94.7338

■ 22.0245, 11.0870,  
92.2465

■ 44.3440, 37.3249,  
96.1346

■ 19.6543, 8.6592,  
91.9028

■ 53.6764, 48.7946,  
97.8565

■ 18.2560, 7.4095,  
91.7353

■ 64.6897, 62.4822,  
99.9180

■ 18.2304, 7.3866,  
91.7322

■ 77.4618, 78.4967,  
102.3360

■ 92.0654, 96.9397,  
105.1262

■ 94.4127, 99.7451,  
105.5439

# Harmonies

## Analogous

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



20.4310, 20.5575, 115.3866



30.3784, 20.5575, 93.6337



39.0388, 20.5575, 52.8130

# Triad

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



30.3784, 20.5575, 93.6337



28.3817, 20.5575, 0.9701



6.9643, 20.5575, 24.9951

# Complementary

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



30.3784, 20.5575, 93.6337



68.8401, 86.4277, 25.3661

# 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.



7.9341, 20.5575, 6.6936



30.3784, 20.5575, 93.6337



18.6739, 20.5575, 0.3205

# Square

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



30.3784, 20.5575, 93.6337



37.6617, 20.5575, 4.9278



11.6443, 20.5575, 1.3149



8.4256, 20.5575, 60.9191



# Rectangle

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



30.3784, 20.5575, 93.6337



41.8635, 20.5575, 28.9415



11.6443, 20.5575, 1.3149



7.0180, 20.5575, 16.8997

# Sweetspot

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



30.3794, 20.5581, 93.6342



69.2351, 67.4902, 103.9856



50.6610, 65.4945, 101.2389



14.0482, 13.4828, 22.1120



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.



30.3794, 20.5581, 93.6342



25.5355, 14.4617, 96.0533



45.4874, 28.3466, 94.3413



16.5308, 16.7708, 21.7511



9.6578, 3.9214, 48.2214



0.9652, 0.3996, 4.4694



# Inverse Universe

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



58.4407, 35.4181, 77.1523



57.3622, 31.3549, 75.5880



50.0780, 76.7555, 24.4881



17.8719, 17.4761, 21.1812



27.2361, 13.3102, 34.2816

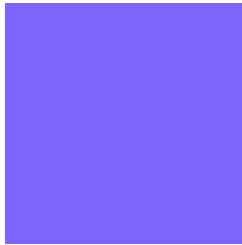


2.5525, 1.2447, 3.3326



# Previews

## White Background



This preview shows how the XYZ color 30.3784, 20.5575, 93.6337 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

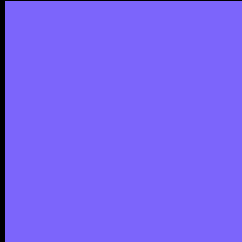
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 30.3784, 20.5575, 93.6337 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

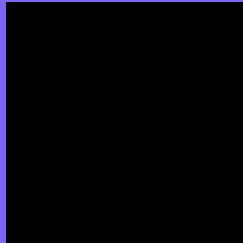
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 30.3784, 20.5575, 93.6337**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.3784, 20.5575, 93.6337.



This preview shows how white text looks on a background with the XYZ color 30.3784, 20.5575,



# 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

30.3784, 20.5575, 93.6337

### Protanopia

24.8666, 20.7046, 97.2935

### Deuteranopia

20.9040, 20.7123, 72.0034



## Tritanopia

17.3132, 20.4097, 28.6182

# Trichromacy



**Original Color**

30.3784, 20.5575, 93.6337

**Protanomaly**

25.1099, 19.6441, 96.2342

**Deuteranomaly**

22.2686, 19.3979, 79.6613

**Tritanomaly**

20.7535, 19.6939, 46.9634

# Monochromacy



**Original Color**

30.3784, 20.5575, 93.6337

**Achromatopsia**

19.4927, 20.5079, 22.3331

**Achromatomaly**

22.0535, 19.7910, 41.1858

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.3784, 20.5575, 93.6337 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, 101, 251)` looks like.

```
.text, #text, p{  
    color:rgb(124, 101, 251)  
}
```

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, 101, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 101, 251) }
```

## Border

The CSS property to change the border of an element to XYZ 30.3784, 20.5575, 93.6337 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, 101, 251) }
```



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

```
.border{ border-color:rgb(124, 101, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 101, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 101, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 101, 251);  
box-shadow:4px 4px 4px 4px rgb(124, 101,  
251) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.3784, 20.5575, 93.6337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 101, 251) }
```

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

```
.background{ background-color: rgb(124,  
101, 251) }
```

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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