

# Converting Colors

XYZ(26.8341, 20.1443, 97.4136)

Have a look what the booklet for  
XYZ(26.8341, 20.1443, 97.4136)  
contains.

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# Color

**XYZ(26.7950, 20.1667,  
97.0880)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4D6FFF
RGB	77, 111, 255
RGB Percent	30%, 44%, 100%
CMY	0.6980, 0.5647, 0.0000
CMYK	0.70, 0.56, 0.00, 0.00
HSL	229°, 100%, 65%
HSV	229°, 70%, 100%
XYZ	26.7950, 20.1667, 97.0880
YIQ	117.2500, -66.4880, 37.5760

# Conversions

## Conversions Part 2

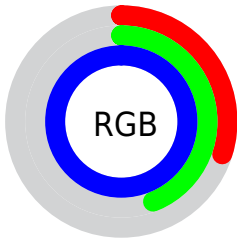
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	77, 106, 255
Decimal	5074943
CIE Lab	52.03, 34.64, -75.22
CIE LCh	52, 82.808, 294.727
Yxy	20.1667, 0.1860, 0.1400
Android (android.graphics.Color)	4283265023 (0xFF4D6FFF)
YUV	117.2500, 67.9107, -35.2993
Hunter-Lab	44.9073, 27.9183, -96.7476

# Details

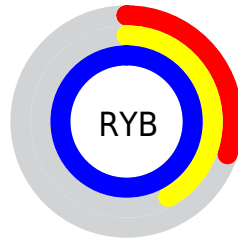
The XYZ color **26.7950, 20.1667, 97.0880** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed azure. A complement of this color would be **68.4393, 73.5146, 17.6059**, and the grayscale version is **16.7981, 17.6729, 19.2458**.

A 20% lighter version of the original color is **42.6474, 39.0804, 99.9033**, and **11.9114, 7.6980, 53.6814** is the 20% darker color. If you saturate the color by 10%, you get **23.1286, 15.3120, 96.3443**, and if you desaturate by 10%, it is **31.7889, 26.4773, 98.0429**.

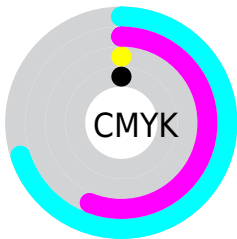
# Distribution



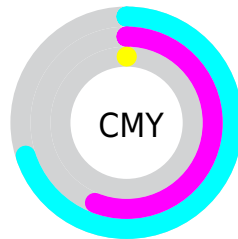
- Red (30%)
- Green (44%)
- Blue (100%)



- Red (30%)
- Yellow (42%)
- Blue (100%)



- Cyan (70%)
- Magenta (56%)
- Yellow (0%)
- Black (0%)



- Cyan (70%)
- Magenta (56%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 26.7950, 20.1667, 97.0880 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 26.7950, 20.1667, 97.0880 by changing the saturation by 10% instead.



■ 26.7950, 20.1667,  
97.0880

■ 26.7950, 20.1667,  
97.0880

278.8489,  
252.8161, 571.9823

■ 17.5551, 12.5163,  
73.2676

■ 53.9769, 43.6965,  
159.1664

■ 10.7288, 7.0963,  
53.7016

■ 72.6497, 60.3447,  
198.2615

■ 5.9507, 3.5224,  
37.9716

■ 95.1975, 80.7608,  
243.2852

■ 2.8555, 1.4102,  
25.6590

■ 121.9856,  
105.3295, 294.6561

■ 1.0778, 0.2242,  
16.3452

153.3795,  
134.4349, 352.7928

■ 0.0064, 0.0000,  
9.6118

189.7444,

■ 0.0000, 0.0000,

168.4616, 418.1136

5.0401

231.4457,  
207.7939, 491.0373

■ 0.0000, 0.0000,  
2.2117

■ 0.0000, 0.0000,  
0.6811

■ 26.7950, 20.1667,  
97.0880

■ 26.7950, 20.1667,  
97.0880

■ 23.1286, 15.3120,  
96.3443

■ 31.7889, 26.4773,  
98.0429

■ 20.6502, 11.7875,  
95.7946

■ 38.2245, 34.3514,  
99.2236

■ 19.1593, 9.4290,  
95.4179

■ 46.2064, 43.8878,  
100.6436

■ 19.1356, 9.3912,  
95.4119

■ 55.8286, 55.1763,  
102.3153

■ 67.1774, 68.3002,  
104.2504

■ 80.3330, 83.3374,  
106.4595

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.



17.7137, 20.1667, 108.4630



26.7950, 20.1667, 97.0880



35.7182, 20.1667, 61.2557

# Triad

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



26.7950, 20.1667, 97.0880



30.1587, 20.1667, 1.6688



7.1180, 20.1667, 17.9550

# Complementary

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



26.7950, 20.1667, 97.0880



68.4393, 73.5146, 17.6059

# 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.



8.7314, 20.1667, 4.5621



26.7950, 20.1667, 97.0880



20.6994, 20.1667, 0.5062

# Square

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



26.7950, 20.1667, 97.0880



38.0264, 20.1667, 7.6833



13.1457, 20.1667, 1.0133



7.8773, 20.1667, 47.7242



# Rectangle

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



26.7950, 20.1667, 97.0880



39.4901, 20.1667, 36.6298



13.1457, 20.1667, 1.0133



7.3820, 20.1667, 11.8437

# Sweetspot

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



26.7959, 20.1672, 97.0881



65.7211, 66.6251, 104.0038



51.6607, 78.2339, 79.6737



13.3711, 13.4581, 22.1429



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.



26.7959, 20.1672, 97.0881



21.9515, 13.6774, 96.0908



29.9733, 17.3075, 96.3687



17.2837, 17.9390, 22.8016



10.0783, 5.0662, 49.8813



1.0519, 0.6345, 4.8803



# Inverse Universe

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



46.7639, 27.7170, 17.9242



43.5378, 23.4368, 10.1528



61.3499, 84.5573, 20.1110



18.1511, 18.0437, 19.4128



21.8753, 11.2394, 2.7276



2.1656, 1.1086, 0.4533



# Previews

## White Background



This preview shows how the XYZ color 26.7950, 20.1667, 97.0880 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

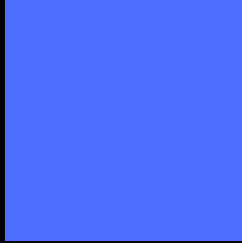
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 26.7950, 20.1667, 97.0880 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

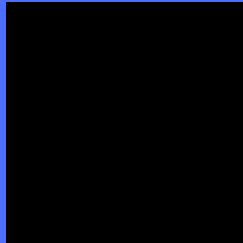
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 26.7950, 20.1667, 97.0880**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.7950, 20.1667, 97.0880.



This preview shows how white text looks on a background with the XYZ color 26.7950, 20.1667,



# 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

26.7950, 20.1667, 97.0880

### Protanopia

24.1675, 20.2219, 94.7249

### Tritanopia

14.2121, 19.9979, 30.7147

# Trichromacy



**Original Color**

26.7950, 20.1667, 97.0880

**Protanomaly**

24.4539, 19.8295, 95.4671

**Tritanomaly**

17.0610, 19.2304, 49.2670

# Monochromacy



**Original Color**

26.7950, 20.1667, 97.0880

**Achromatopsia**

16.9083, 17.7888, 19.3720

**Achromatomaly**

18.5853, 17.8763, 39.0301

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.7950, 20.1667, 97.0880 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(77, 111, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 111, 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(77, 111, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 111, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 26.7950, 20.1667, 97.0880 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(77, 111, 255) }
```

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

```
.border{ border-color:rgb(77, 111, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 111, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 111, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 111, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 111,  
255) }
```



# Background

The CSS property to change the background color of an element to XYZ 26.7950, 20.1667, 97.0880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 111, 255) }
```

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

```
.background{ background-color: rgb(77, 111,  
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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