

# Converting Colors

XYZ(25.6605, 11.1440, 95.4049)

Have a look what the booklet for  
XYZ(25.6605, 11.1440, 95.4049)  
contains.

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# Color

**XYZ(25.6577, 11.1419,  
95.4060)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7700FF
RGB	119, 0, 255
RGB Percent	47%, 0%, 100%
CMY	0.5333, 1.0000, 0.0000
CMYK	0.53, 1.00, 0.00, 0.00
HSL	268°, 100%, 50%
HSV	268°, 100%, 100%
XYZ	25.6577, 11.1419, 95.4060
YIQ	64.6510, -10.9310, 104.5330

# Conversions

## Conversions Part 2

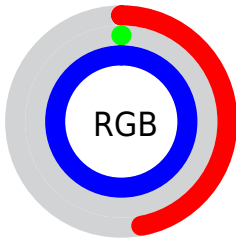
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	119, 0, 255
Decimal	7799039
CIE <sub>Lab</sub>	39.82, 82.55, -95.14
CIE <sub>LCh</sub>	40, 125.962, 310.945
Yxy	11.1419, 0.1941, 0.0843
Android (android.graphics.Color)	4285989119 (0xFF7700FF)
YUV	64.6510, 93.8421, 47.6641
Hunter-Lab	33.3795, 78.7929, -146.0984

# Details

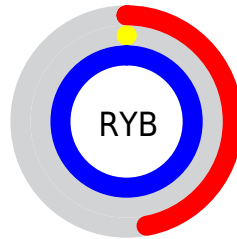
The XYZ color **25.6577, 11.1419, 95.4060** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated purple. A complement of this color would be **45.9123, 76.7537, 12.3951**, and the grayscale version is **4.8361, 5.0879, 5.5407**.

A 20% lighter version of the original color is **40.8345, 23.4449, 96.9809**, and **10.9147, 4.4626, 53.1094** is the 20% darker color. If you saturate the color by 10%, you get **25.6586, 11.1424, 95.4061**, and if you desaturate by 10%, it is **28.0191, 12.8913, 95.6192**.

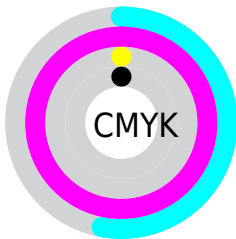
# Distribution



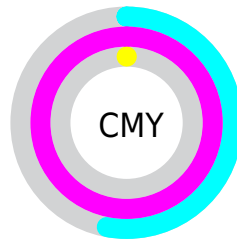
- Red (47%)
- Green (0%)
- Blue (100%)



- Red (47%)
- Yellow (0%)
- Blue (100%)



- Cyan (53%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)




- Cyan (53%)
- Magenta (100%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.6577, 11.1419, 95.4060 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 25.6577, 11.1419, 95.4060 by changing the saturation by 10% instead.





 25.6577, 11.1419,  
95.4060


 25.6577, 11.1419,  
95.4060


273.3853,  
198.6385, 566.4814


 16.6991, 6.1624,  
71.8742


 52.1575, 27.9223,  
156.8258

 10.1141, 2.9441,  
52.5697


 70.4293, 40.4919,  
195.5508


 5.5376, 1.1026,  
37.0740


 92.5363, 56.3603,  
240.1774

 2.6039, 0.0000,  
24.9686

 118.8437, 75.9120,  
291.1240

 0.9480, 0.0000,  
15.8348

 149.7170, 99.5312,  
348.8091

 0.0000, 0.0000,  
9.2543

 185.5214,

 0.0000, 0.0000,

127.6024, 413.6514

4.8083

226.6224,  
160.5101, 486.0693

■ 0.0000, 0.0000,  
2.0785

■ 0.0000, 0.0000,  
0.6029

■ 25.6577, 11.1419,  
95.4060

■ 25.6577, 11.1419,  
95.4060

■ 25.6586, 11.1424,  
95.4061

■ 28.0191, 12.8913,  
95.6192

■ 31.1244, 15.7175,  
96.0011

■ 35.1271, 19.9115,  
96.5996

■ 40.1244, 25.6531,  
97.4445

46.1984, 33.0934,  
98.5605

53.4219, 42.3650,  
99.9694

61.8606, 53.5867,  
101.6906

71.5748, 66.8672,  
103.7420

82.6204, 82.3071,  
106.1400

# Harmonies

## Analogous

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



14.0725, 11.1419, 144.7440



25.6577, 11.1419, 95.4060



35.3747, 11.1419, 35.2750

# Triad

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



25.6577, 11.1419, 95.4060



17.0012, 11.1419, 0.0000



1.2155, 11.1419, 23.6100

# Complementary

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



25.6577, 11.1419, 95.4060



45.9123, 76.7537, 12.3951

# 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.



1.3651, 11.1419, 2.2787



25.6577, 11.1419, 95.4060



7.7355, 11.1419, 0.0000

# Square

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



25.6577, 11.1419, 95.4060



28.7766, 11.1419, 0.0000



3.0020, 11.1419, 0.0000



2.3399, 11.1419, 77.7807



# Rectangle

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



25.6577, 11.1419, 95.4060



37.4454, 11.1419, 11.3627



3.0020, 11.1419, 0.0000



1.1460, 11.1419, 12.9345

# Sweetspot

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



25.6586, 11.1424, 95.4061



61.8606, 53.5867, 101.6906



26.8542, 24.8283, 97.9847



12.4466, 10.4046, 21.6022



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.



25.6586, 11.1424, 95.4061



56.2317, 26.9034, 96.8369



17.8089, 17.7932, 22.7458



13.5758, 5.9091, 49.8596



1.4465, 0.6396, 4.8605

# Inverse Universe

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



45.6835, 23.0374, 25.3291



35.8664, 71.5749, 11.9250



18.4143, 18.1490, 20.7990



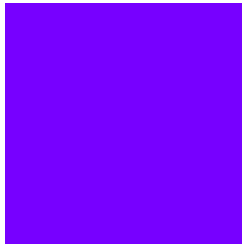
23.9468, 12.0680, 13.6364



2.3868, 1.1971, 1.6185

# Previews

## White Background



This preview shows how the XYZ color 25.6577, 11.1419, 95.4060 looks on a white background.

## Color Contrast Check

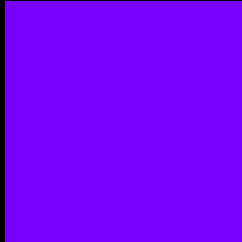
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.6577, 11.1419, 95.4060 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

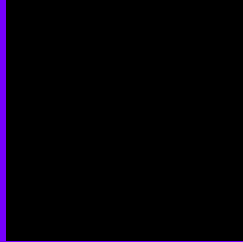
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# XYZ 25.6577, 11.1419, 95.4060

## Background



This preview shows how black text looks on a background with the XYZ color 25.6577, 11.1419, 95.4060.



This preview shows how white text looks on a background with the XYZ color 25.6577, 11.1419,





# 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

25.6577, 11.1419, 95.4060

### Protanopia

13.3416, 11.4601, 51.3780

### Deuteranopia

11.0685, 11.4157, 36.7420



## Tritanopia

9.7882, 11.3629, 15.5873

# Trichromacy



## Original Color

25.6577, 11.1419, 95.4060

## Protanomaly

14.8260, 8.5478, 65.1585

## Deuteranomaly

12.7969, 7.9901, 53.6911

## Tritanomaly

12.3304, 8.2521, 34.6611

# Monochromacy



## Original Color

25.6577, 11.1419, 95.4060

## Achromatopsia

5.0244, 5.2861, 5.7565

## Achromatomaly

8.8423, 5.2384, 23.0993

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.6577, 11.1419, 95.4060 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(119, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(119, 0, 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(119, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 0, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 25.6577, 11.1419, 95.4060 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(119, 0, 255) }
```

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

```
.border{ border-color:rgb(119, 0, 255) }
```

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

Here you see how a box with a 4 pixel rgb(119, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(119, 0,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.6577, 11.1419, 95.4060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 0, 255) }
```

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

```
.background{ background-color: rgb(119, 0,  
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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