

# Converting Colors

XYZ(25.0656, 12.5940, 95.7175)

Have a look what the booklet for  
XYZ(25.0656, 12.5940, 95.7175)  
contains.

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# Color

**XYZ(25.0595, 12.5909,  
95.7172)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | 6933FF                     |
| RGB           | 105, 51, 255               |
| RGB Percent   | 41%, 20%, 100%             |
| CMY           | 0.5882, 0.8000, 0.0000     |
| CMYK          | 0.59, 0.80, 0.00, 0.00     |
| HSL           | 256°, 100%, 60%            |
| HSV           | 256°, 80%, 100%            |
| XYZ           | 25.0595, 12.5909, 95.7172  |
| YIQ           | 90.4020, -33.3000, 74.8920 |

# Conversions

## Conversions Part 2

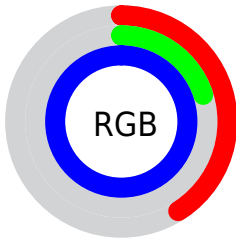
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| R <sub>Y</sub> B                    | 105, 51, 255                   |
| Decimal                             | 6894591                        |
| CIE Lab                             | 42.14, 70.01, -91.35           |
| CIE LCh                             | 42, 115.090, 307.466           |
| Yxy                                 | 12.5909, 0.1879,<br>0.0944     |
| Android<br>(android.graphics.Color) | 4285084671<br>(0xFF6933FF)     |
| YUV                                 | 90.4020, 81.1468,<br>12.8024   |
| Hunter-Lab                          | 35.4837, 63.9650,<br>-135.0963 |

# Details

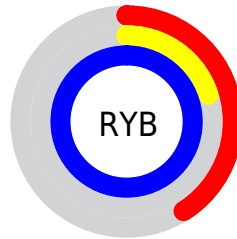
The XYZ color **25.0595, 12.5909, 95.7172** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **60.4421, 84.1750, 16.1934**, and the grayscale version is **9.6377, 10.1396, 11.0420**.

A 20% lighter version of the original color is **39.8962, 25.9811, 97.5198**, and **10.0780, 4.0312, 53.0703** is the 20% darker color. If you saturate the color by 10%, you get **22.2700, 9.9274, 95.3502**, and if you desaturate by 10%, it is **28.9458, 16.7246, 96.3103**.

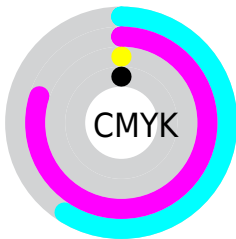
# Distribution



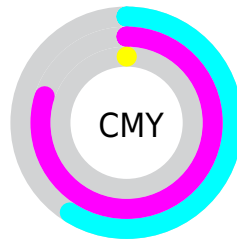
- Red (41%)
- Green (20%)
- Blue (100%)



- Red (41%)
- Yellow (20%)
- Blue (100%)



- Cyan (59%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)




- Cyan (59%)
- Magenta (80%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.0595, 12.5909, 95.7172 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 25.0595, 12.5909, 95.7172 by changing the saturation by 10% instead.





 25.0595, 12.5909,  
95.7172


 25.0595, 12.5909,  
95.7172


270.4763,  
208.2789, 567.5014


 16.2504, 7.1474,  
72.1319


 51.1959, 30.5668,  
157.2592


 9.7935, 3.5545,  
52.7789


 69.2539, 43.8681,  
196.0529


 5.3234, 1.4276,  
37.2398


 91.1256, 60.5574,  
240.7531

 2.4750, 0.2369,  
25.0960

 117.1763, 81.0192,  
291.7785

 0.8826, 0.0000,  
15.9289

 147.7713,  
105.6379, 349.5474

 0.0000, 0.0000,  
9.3200

 183.2761,

 0.0000, 0.0000,

134.7978, 414.4785

4.8509

224.0560,  
168.8833, 486.9903

■ 0.0000, 0.0000,  
2.1028

■ 0.0000, 0.0000,  
0.6174

■ 25.0595, 12.5909,  
95.7172

■ 25.0595, 12.5909,  
95.7172

■ 22.2700, 9.9274,  
95.3502

■ 28.9458, 16.7246,  
96.3103

■ 20.4000, 8.4315,  
95.1600

■ 34.0433, 22.5177,  
97.1598

■ 40.4529, 30.1310,  
98.2915

■ 48.2638, 39.7051,  
99.7278

■ 57.5568, 51.3671,  
101.4890

■ 68.4064, 65.2329,  
103.5935

■ 80.8819, 81.4097,  
106.0584

95.0483, 99.9978,  
108.8997

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.



14.2401, 12.5909, 134.0534



25.0595, 12.5909, 95.7172



34.5698, 12.5909, 40.9353

# Triad

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



25.0595, 12.5909, 95.7172



19.4632, 12.5909, 0.0000



1.9334, 12.5909, 20.8062

# Complementary

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



25.0595, 12.5909, 95.7172



60.4421, 84.1750, 16.1934

# 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.



2.2847, 12.5909, 2.4077



25.0595, 12.5909, 95.7172



9.9501, 12.5909, 0.0000

# Square

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



25.0595, 12.5909, 95.7172



30.4038, 12.5909, 0.1851



4.4787, 12.5909, 0.0000



3.0713, 12.5909, 67.1637



# Rectangle

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



25.0595, 12.5909, 95.7172



37.1521, 12.5909, 15.9046



4.4787, 12.5909, 0.0000



1.8970, 12.5909, 11.7260

# Sweetspot

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



25.0603, 12.5911, 95.7172



63.8765, 59.4167, 102.7097



41.0078, 51.1091, 102.3115



12.8544, 11.6739, 21.8257



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.



25.0603, 12.5911, 95.7172



21.0633, 8.9377, 95.2227



44.1353, 22.4247, 96.6099



17.4540, 17.6103, 22.7291



10.7784, 4.4669, 49.7287



1.1473, 0.4854, 4.8465



# Inverse Universe

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



52.9651, 27.8440, 57.8347



50.6656, 25.2074, 51.0183



41.8367, 74.5836, 15.3227



18.5753, 18.2134, 21.6466



26.3280, 13.0205, 26.1753

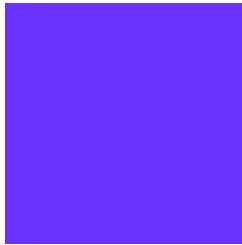


2.6086, 1.2858, 2.7865



# Previews

## White Background



This preview shows how the XYZ color 25.0595, 12.5909, 95.7172 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

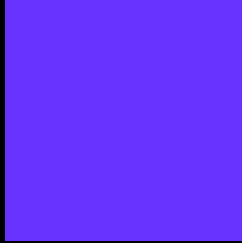
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 25.0595, 12.5909, 95.7172 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 25.0595, 12.5909, 95.7172**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.0595, 12.5909, 95.7172.



This preview shows how white text looks on a background with the XYZ color 25.0595, 12.5909,



# 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

25.0595, 12.5909, 95.7172

### Protanopia

14.6348, 12.4015, 56.8807

### Deuteranopia

12.1021, 12.4430, 40.2920



## Tritanopia

9.5971, 12.5440, 18.4384

# Trichromacy



## Original Color

25.0595, 12.5909, 95.7172

## Protanomaly

16.6465, 11.2245, 69.6958

## Deuteranomaly

14.5533, 10.8629, 57.2068

## Tritanomaly

12.6980, 10.7997, 37.9745

# Monochromacy



## Original Color

25.0595, 12.5909, 95.7172

## Achromatopsia

9.7181, 10.2242, 11.1341

## Achromatomaly

12.8088, 9.8038, 30.0714

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.0595, 12.5909, 95.7172 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(105, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(105, 51, 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(105, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 51, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 25.0595, 12.5909, 95.7172 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(105, 51, 255) }
```



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

```
.border{ border-color:rgb(105, 51, 255) }
```

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

Here you see how a box with a 4 pixel rgb(105, 51, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(105, 51,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.0595, 12.5909, 95.7172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 51, 255) }
```

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

```
.background{ background-color: rgb(105, 51,  
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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