

# Converting Colors

XYZ(25.2519, 15.0887, 96.1892)

Have a look what the booklet for  
XYZ(25.2519, 15.0887, 96.1892)  
contains.

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# Color

**XYZ(25.2596, 15.0873,  
96.1885)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5C4FFF
RGB	92, 79, 255
RGB Percent	36%, 31%, 100%
CMY	0.6392, 0.6902, 0.0000
CMYK	0.64, 0.69, 0.00, 0.00
HSL	244°, 100%, 65%
HSV	244°, 69%, 100%
XYZ	25.2596, 15.0873, 96.1885
YIQ	102.9510, -48.7480, 57.4920

# Conversions

## Conversions Part 2

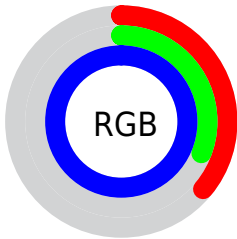
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	92, 79, 255
Decimal	6049791
CIE Lab	45.75, 55.29, -85.43
CIE LCh	46, 101.760, 302.908
Yxy	15.0873, 0.1850, 0.1105
Android (android.graphics.Color)	4284239871 (0xFF5C4FFF)
YUV	102.9510, 74.9602, -9.6040
Hunter-Lab	38.8424, 48.1063, -119.6349

# Details

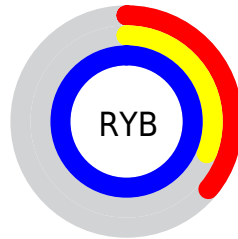
The XYZ color **25.2596, 15.0873, 96.1885** is a dark color, and the websafe version is hex **3333CC**. The color can be described as middle washed blue. A complement of this color would be **73.7858, 90.9600, 21.0651**, and the grayscale version is **12.6977, 13.3590, 14.5479**.

A 20% lighter version of the original color is **40.1332, 30.4544, 98.3708**, and **10.5680, 5.0112, 53.2336** is the 20% darker color. If you saturate the color by 10%, you get **21.7574, 11.0551, 95.5948**, and if you desaturate by 10%, it is **30.2033, 20.9087, 97.0516**.

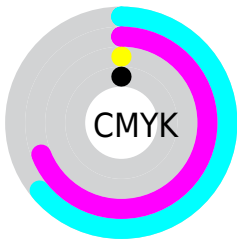
# Distribution



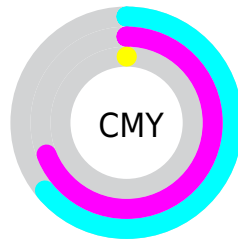
- Red (36%)
- Green (31%)
- Blue (100%)



- Red (36%)
- Yellow (31%)
- Blue (100%)



- Cyan (64%)
- Magenta (69%)
- Yellow (0%)
- Black (0%)




- Cyan (64%)
- Magenta (69%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.2596, 15.0873, 96.1885 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 25.2596, 15.0873, 96.1885 by changing the saturation by 10% instead.





 25.2596, 15.0873,  
96.1885

 25.2596, 15.0873,  
96.1885


271.4522,  
223.8940, 569.0441


 16.4003, 8.8807,  
72.5222


 51.5179, 35.0063,  
157.9152


 9.9005, 4.6634,  
53.0959


 69.6477, 49.4874,  
196.8127


 5.3948, 2.0512,  
37.4911


 91.5983, 67.4955,  
241.6244

 2.5178, 0.6370,  
25.2892

 117.7352, 89.4149,  
292.7688

 0.9043, 0.0000,  
16.0717

 148.4237,  
115.6301, 350.6644

 0.0000, 0.0000,  
9.4200

184.0291,

 0.0000, 0.0000,

146.5254, 415.7298

4.9156

224.9168,  
182.4852, 488.3835

■ 0.0000, 0.0000,  
2.1399

■ 0.0000, 0.0000,  
0.6394

■ 25.2596, 15.0873,  
96.1885

■ 25.2596, 15.0873,  
96.1885

■ 21.7574, 11.0551,  
95.5948

■ 30.2033, 20.9087,  
97.0516

■ 19.5377, 8.6033,  
95.2386

■ 36.7199, 28.6946,  
98.2110

■ 18.3899, 7.4355,  
95.0737

■ 44.9290, 38.6003,  
99.6903

■ 18.3156, 7.3569,  
95.0624

■ 54.9376, 50.7653,  
101.5109

■ 66.8440, 65.3173,  
103.6922

■ 80.7394, 82.3743,  
106.2521

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.



15.1906, 15.0873, 122.6570



25.2596, 15.0873, 96.1885



34.5308, 15.0873, 48.5707

# Triad

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



25.2596, 15.0873, 96.1885



23.2100, 15.0873, 0.0000



3.3878, 15.0873, 18.9346

# Complementary

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



25.2596, 15.0873, 96.1885



73.7858, 90.9600, 21.0651

# 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.



4.1161, 15.0873, 2.9586



25.2596, 15.0873, 96.1885



13.5218, 15.0873, 0.0000

# Square

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



25.2596, 15.0873, 96.1885



33.0535, 15.0873, 1.8253



7.1321, 15.0873, 0.0000



4.4899, 15.0873, 57.6047



# Rectangle

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



25.2596, 15.0873, 96.1885



37.6355, 15.0873, 22.9563



7.1321, 15.0873, 0.0000



3.4280, 15.0873, 11.2712

# Sweetspot

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



25.2604, 15.0876, 96.1886



64.3314, 62.2407, 103.2308



53.4048, 73.1431, 105.9110



13.0472, 12.4385, 21.9632



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.



25.2604, 15.0876, 96.1886



20.7300, 9.9030, 95.4266



39.3746, 22.3637, 96.8491



17.1273, 17.4419, 22.7139



9.6148, 3.8671, 49.6742



0.9773, 0.3977, 4.8385



# Inverse Universe

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



60.0614, 33.2620, 87.2513



57.7492, 29.2663, 84.5418



50.7400, 79.0794, 19.9865



18.7313, 18.2758, 22.4682



29.4959, 14.2876, 42.8572

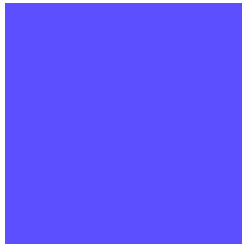


2.8885, 1.3978, 4.2603



# Previews

## White Background



This preview shows how the XYZ color 25.2596, 15.0873, 96.1885 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

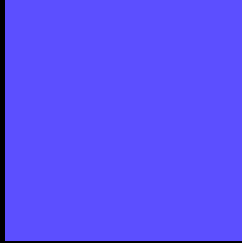
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 25.2596, 15.0873, 96.1885 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 25.2596, 15.0873, 96.1885**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.2596, 15.0873, 96.1885.



This preview shows how white text looks on a background with the XYZ color 25.2596, 15.0873,



# 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

25.2596, 15.0873, 96.1885

### Protanopia

17.7365, 15.0151, 68.9812

### Deuteranopia

14.7615, 14.9997, 49.6942



## Tritanopia

10.5593, 14.7786, 23.0649

# Trichromacy



## Original Color

25.2596, 15.0873, 96.1885

## Protanomaly

19.2849, 14.3339, 78.0942

## Deuteranomaly

16.9727, 14.0005, 64.0952

## Tritanomaly

13.3154, 13.3191, 42.4265

# Monochromacy



## Original Color

25.2596, 15.0873, 96.1885

## Achromatopsia

12.8919, 13.5633, 14.7705

## Achromatomaly

15.3198, 13.1267, 34.0740

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.2596, 15.0873, 96.1885 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(92, 79, 255)` looks like.

```
.text, #text, p{  
    color:rgb(92, 79, 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(92, 79, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 79, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 25.2596, 15.0873, 96.1885 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(92, 79, 255) }
```



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

```
.border{ border-color:rgb(92, 79, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 79, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 79, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 79, 255);  
box-shadow:4px 4px 4px 4px rgb(92, 79,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.2596, 15.0873, 96.1885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 79, 255) }
```

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

```
.background{ background-color: rgb(92, 79,  
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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