

# Converting Colors

XYZ(24.2985, 13.7635, 89.6551)

Have a look what the booklet for  
XYZ(24.2985, 13.7635, 89.6551)  
contains.

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# Color

**XYZ(24.2835, 13.7383,  
89.3676)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | 6545F7                     |
| RGB           | 101, 69, 247               |
| RGB Percent   | 40%, 27%, 97%              |
| CMY           | 0.6039, 0.7294, 0.0314     |
| CMYK          | 0.59, 0.72, 0.00, 0.03     |
| HSL           | 251°, 92%, 62%             |
| HSV           | 251°, 72%, 97%             |
| XYZ           | 24.2835, 13.7383, 89.3676  |
| YIQ           | 98.8600, -38.0660, 62.1420 |

# Conversions

## Conversions Part 2

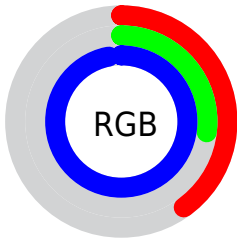
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| R <sub>Y</sub> B                    | 101, 69, 247                   |
| Decimal                             | 6637047                        |
| CIE Lab                             | 43.86, 59.27, -84.06           |
| CIE LCh                             | 44, 102.854, 305.189           |
| Yxy                                 | 13.7383, 0.1906,<br>0.1078     |
| Android<br>(android.graphics.Color) | 4284827127<br>(0xFF6545F7)     |
| YUV                                 | 98.8600, 73.0330,<br>1.8768    |
| Hunter-Lab                          | 37.0652, 52.0812,<br>-117.0079 |

# Details

The XYZ color **24.2835, 13.7383, 89.3676** 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 **62.3565, 81.3971, 18.0546**, and the grayscale version is **11.6544, 12.2614, 13.3527**.

A 20% lighter version of the original color is **40.4044, 28.8941, 98.0553**, and **9.3706, 4.0447, 48.4309** is the 20% darker color. If you saturate the color by 10%, you get **21.0724, 10.2774, 88.8692**, and if you desaturate by 10%, it is **28.6871, 18.7515, 90.1035**.

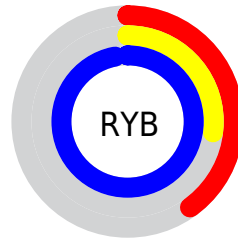
# Distribution



Red (40%)

Green (27%)

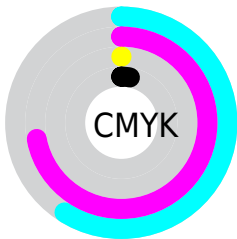
Blue (97%)



Red (40%)

Yellow (27%)

Blue (97%)

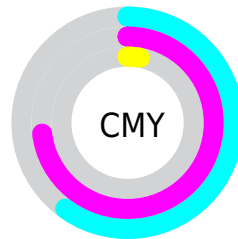


Cyan (59%)

Magenta (72%)

Yellow (0%)

Black (3%)



Cyan (60%)

Magenta (73%)


Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.2835, 13.7383, 89.3676 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 24.2835, 13.7383, 89.3676 by changing the saturation by 10% instead.





 24.2835, 13.7383,  
89.3676


 24.2835, 13.7383,  
89.3676


266.6646,  
215.5966, 546.4885

 15.6699, 7.9389,  
66.8855


 49.9438, 32.6240,  
148.3875


 9.3803, 4.0559,  
48.5306


 67.7211, 46.4790,  
185.7623


 5.0491, 1.7049,  
33.8843


 89.2838, 63.7880,  
228.9385

 2.3112, 0.4268,  
22.5281

 114.9972, 84.9354,  
278.3346

 0.8004, 0.0000,  
14.0434

 145.2266,  
110.3055, 334.3691

 0.0000, 0.0000,  
8.0118

180.3374,

 0.0000, 0.0000,

140.2829, 397.4605

4.0146

220.6950,  
175.2518, 468.0275

■ 0.0000, 0.0000,  
1.6334

■ 0.0000, 0.0000,  
0.3145

■ 24.2835, 13.7383,  
89.3676

■ 24.2835, 13.7383,  
89.3676

■ 21.0724, 10.2774,  
88.8692

■ 28.6871, 18.7515,  
90.1035

■ 18.9250, 8.1777,  
88.5771

■ 34.3880, 25.4751,  
91.1009

■ 17.8454, 7.2602,  
88.4569

■ 41.4820, 34.0485,  
92.3818

■ 50.0551, 44.5963,  
93.9659

60.1860, 57.2323,  
95.8709

71.9479, 72.0612,  
98.1133

85.4091, 89.1811,  
100.7082

93.7886, 99.4954,  
102.2575

# Harmonies

## Analogous

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



14.5218, 13.7383, 118.3410



24.2835, 13.7383, 89.3676



32.9818, 13.7383, 42.6703

# Triad

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



24.2835, 13.7383, 89.3676



20.7686, 13.7383, 0.0000



2.8626, 13.7383, 19.3794

# Complementary

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



24.2835, 13.7383, 89.3676



62.3565, 81.3971, 18.0546

# 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.



3.3932, 13.7383, 2.9455



24.2835, 13.7383, 89.3676



11.6957, 13.7383, 0.0000

# Square

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



24.2835, 13.7383, 89.3676



30.4309, 13.7383, 1.1536



5.9674, 13.7383, 0.0000



4.0015, 13.7383, 58.3710



# Rectangle

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



24.2835, 13.7383, 89.3676



35.6206, 13.7383, 19.0320



5.9674, 13.7383, 0.0000



2.8593, 13.7383, 11.5124

# Sweetspot

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



24.2843, 13.7386, 89.3680



64.7417, 61.5745, 103.0806



44.1416, 57.7783, 96.8219



13.1874, 12.3403, 21.9368



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.



24.2843, 13.7386, 89.3680



21.5842, 9.9651, 95.3936



39.5735, 21.6205, 90.0835



15.8590, 16.0700, 20.8085



9.5214, 3.8828, 46.7856



0.9125, 0.3802, 4.1155



# Inverse Universe

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



52.7504, 28.9360, 67.0883



54.2001, 27.4390, 67.1096



43.2872, 71.5665, 17.1621



17.0783, 16.7142, 20.1587



26.0091, 12.7471, 31.0858

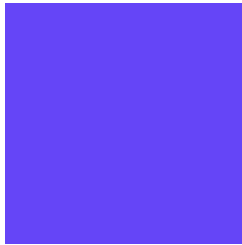


2.3186, 1.1334, 2.9040



# Previews

## White Background



This preview shows how the XYZ color 24.2835, 13.7383, 89.3676 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

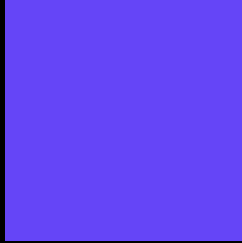
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 24.2835, 13.7383, 89.3676 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

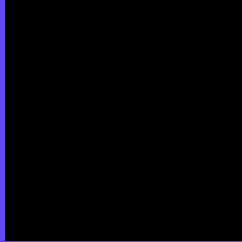
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 24.2835, 13.7383, 89.3676**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.2835, 13.7383, 89.3676.



This preview shows how white text looks on a background with the XYZ color 24.2835, 13.7383,



# 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

24.2835, 13.7383, 89.3676

### Protanopia

16.0947, 13.5768, 62.7451

### Deuteranopia

13.3923, 13.6034, 45.0999



## Tritanopia

10.3275, 13.5267, 20.1558

# Trichromacy



## Original Color

24.2835, 13.7383, 89.3676

## Protanomaly

17.5720, 12.7005, 71.3373

## Deuteranomaly

15.5764, 12.5816, 58.7343

## Tritanomaly

13.3379, 12.2796, 38.2264

# Monochromacy



## Original Color

24.2835, 13.7383, 89.3676

## Achromatopsia

11.8596, 12.4772, 13.5877

## Achromatomaly

14.4950, 11.9887, 31.6871

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.2835, 13.7383, 89.3676 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(101, 69, 247)` looks like.

```
.text, #text, p{  
    color:rgb(101, 69, 247)  
}
```

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(101, 69, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 69, 247) }
```

## Border

The CSS property to change the border of an element to XYZ 24.2835, 13.7383, 89.3676 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(101, 69, 247) }
```



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

```
.border{ border-color:rgb(101, 69, 247) }
```

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

Here you see how a box with a 4 pixel rgb(101, 69, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 69, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 69, 247);  
box-shadow:4px 4px 4px 4px rgb(101, 69,  
247) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.2835, 13.7383, 89.3676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 69, 247) }
```

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

```
.background{ background-color: rgb(101, 69,  
247) }
```

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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