

# Converting Colors

XYZ(25.9626, 24.2856, 73.9731)

Have a look what the booklet for  
XYZ(25.9626, 24.2856, 73.9731)  
contains.

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# Color

**XYZ(25.9619, 24.2807,  
73.8393)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5985E0
RGB	89, 133, 224
RGB Percent	35%, 52%, 88%
CMY	0.6510, 0.4784, 0.1216
CMYK	0.60, 0.41, 0.00, 0.12
HSL	220°, 69%, 61%
HSV	220°, 60%, 88%
XYZ	25.9619, 24.2807, 73.8393
YIQ	130.2180, -55.4350, 18.9730

# Conversions

## Conversions Part 2

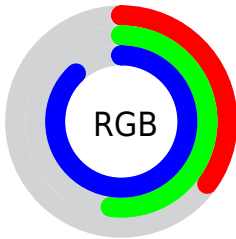
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	89, 122, 224
Decimal	5866976
CIE <sub>Lab</sub>	56.37, 12.49, -50.94
CIE <sub>LCh</sub>	56, 52.450, 283.772
Yxy	24.2807, 0.2092, 0.1957
Android (android.graphics.Color)	4284057056 (0xFF5985E0)
YUV	130.2180, 46.2345, -36.1482
Hunter-Lab	49.2755, 7.8148, -54.3533

# Details

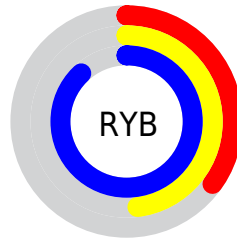
The XYZ color **25.9619, 24.2807, 73.8393** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **48.8668, 49.2140, 16.3765**, and the grayscale version is **21.1518, 22.2533, 24.2339**.

A 20% lighter version of the original color is **48.0033, 48.7274, 101.4830**, and **10.2632, 9.1807, 38.2769** is the 20% darker color. If you saturate the color by 10%, you get **22.2094, 19.4950, 73.1139**, and if you desaturate by 10%, it is **30.6674, 29.9995, 74.6956**.

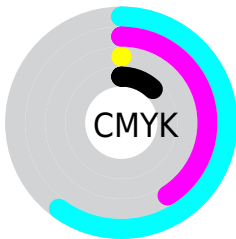
# Distribution



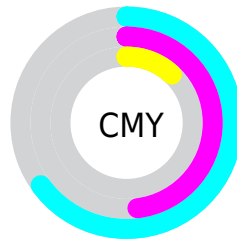
- Red (35%)
- Green (52%)
- Blue (88%)



- Red (35%)
- Yellow (48%)
- Blue (88%)



- Cyan (60%)
- Magenta (41%)
- Yellow (0%)
- Black (12%)



- Cyan (65%)
- Magenta (48%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.9619, 24.2807, 73.8393 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 25.9619, 24.2807, 73.8393 by changing the saturation by 10% instead.



■ 25.9619, 24.2807,  
73.8393

■ 25.9619, 24.2807,  
73.8393

274.8551,  
274.2365, 493.0671

■ 16.9277, 15.5420,  
54.1665

■ 52.6452, 50.4879,  
126.3999

■ 10.2779, 9.2006,  
38.3407

■ 71.0250, 68.7251,  
160.1248

■ 5.6473, 4.8723,  
25.9434

■ 93.2507, 90.8973,  
199.3709

■ 2.6704, 2.1725,  
16.5559

■ 119.6877,  
117.3889, 244.5566

■ 0.9820, 0.7049,  
9.7598

150.7012,  
148.5842, 296.1006

■ 0.0000, 0.0000,  
5.1365

186.6567,

■ 0.0000, 0.0000,

184.8676, 354.4213

2.2674

227.9196,  
226.6236, 419.9373

■ 0.0000, 0.0000,  
0.7129

■ 0.0000, 0.0000,  
0.0000

■ 25.9619, 24.2807,  
73.8393

■ 25.9619, 24.2807,  
73.8393

■ 22.2094, 19.4950,  
73.1139

■ 30.6674, 29.9995,  
74.6956

■ 19.3328, 15.5830,  
72.5104

■ 36.3884, 36.7003,  
75.6875

■ 17.2466, 12.4808,  
72.0216

■ 43.1855, 44.4313,  
76.8215

■ 15.8373, 10.1471,  
71.6454

■ 51.1132, 53.2364,  
78.1032

■ 60.2223, 63.1569,  
79.5380

■ 70.5604, 74.2317,  
81.1307

■ 82.1723, 86.4980,  
82.8863

■ 90.0733, 97.3991,  
84.5741

■ 90.4546, 98.1619,  
84.7012

# Harmonies

## Analogous

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



19.9753, 24.2807, 73.1084



25.9619, 24.2807, 73.8393



32.1047, 24.2807, 58.5596

# Triad

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



25.9619, 24.2807, 73.8393



32.5463, 24.2807, 9.4301



13.6079, 24.2807, 18.1721

# Complementary

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



25.9619, 24.2807, 73.8393



48.8668, 49.2140, 16.3765

# 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.



15.9251, 24.2807, 8.9311



25.9619, 24.2807, 73.8393



26.4866, 24.2807, 5.6079

# Square

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



25.9619, 24.2807, 73.8393



36.3319, 24.2807, 19.2683



20.4161, 24.2807, 5.4774



13.5173, 24.2807, 35.1954



# Rectangle

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



25.9619, 24.2807, 73.8393



35.1753, 24.2807, 44.0788



20.4161, 24.2807, 5.4774



14.1311, 24.2807, 14.2710

# Sweetspot

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



25.9629, 24.2815, 73.8399



71.0442, 74.1328, 105.1724



38.9133, 58.6907, 51.9269



14.4835, 15.0738, 22.3961



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.



25.9629, 24.2815, 73.8399



28.8259, 24.8705, 97.8889



23.6471, 15.9403, 72.3520



13.3150, 13.9691, 17.3822



9.3116, 6.0928, 41.7336



0.7250, 0.5815, 2.9193



# Inverse Universe

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



38.5474, 24.6869, 24.9242



47.6314, 27.4626, 24.3466



52.6818, 66.5203, 19.5159



13.8905, 13.7738, 15.1934



18.6403, 9.5231, 4.7714



1.3322, 0.6762, 0.5423



# Previews

## White Background



This preview shows how the XYZ color 25.9619, 24.2807, 73.8393 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

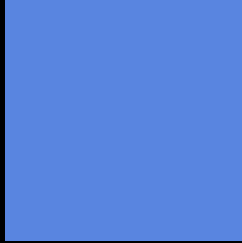
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 25.9619, 24.2807, 73.8393 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

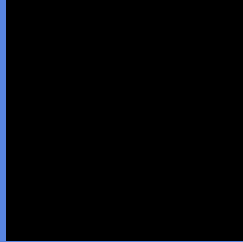
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 25.9619, 24.2807, 73.8393**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.9619, 24.2807, 73.8393.



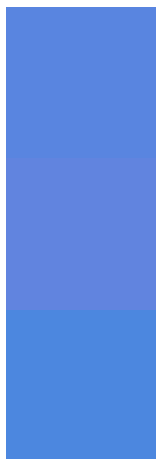
This preview shows how white text looks on a background with the XYZ color 25.9619, 24.2807,



# 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

25.9619, 24.2807, 73.8393

### Protanopia

26.5003, 24.3716, 73.1195

### Deuteranopia

24.9637, 24.1922, 73.1659



## **Tritanopia**

18.4954, 24.3004, 36.5165

# Trichromacy



## Original Color

25.9619, 24.2807, 73.8393

## Protanomaly

26.1866, 24.2099, 73.1048

## Deuteranomaly

25.2377, 24.1272, 73.1389

## Tritanomaly

20.7460, 24.0670, 48.3517

# Monochromacy



## Original Color

25.9619, 24.2807, 73.8393

## Achromatopsia

21.2178, 22.3228, 24.3095

## Achromatomaly

21.8874, 22.5578, 38.3225

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.9619, 24.2807, 73.8393 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(89, 133, 224)` looks like.

```
.text, #text, p{  
    color:rgb(89, 133, 224)  
}
```

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(89, 133, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 133, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 25.9619, 24.2807, 73.8393 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(89, 133, 224) }
```



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

```
.border{ border-color:rgb(89, 133, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 133, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 133, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 133, 224);  
box-shadow:4px 4px 4px 4px rgb(89, 133,  
224) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.9619, 24.2807, 73.8393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 133, 224) }
```

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

```
.background{ background-color: rgb(89, 133,  
224) }
```

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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