

Converting Colors

XYZ(25.4159, 23.0897, 78.7185)

Have a look what the booklet for
XYZ(25.4159, 23.0897, 78.7185)
contains.

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Color

**XYZ(25.4159, 23.0897,
78.7185)**

Conversions

Conversions Part 1

Format	Color
Hex	4E81E7
RGB	78, 129, 231
RGB Percent	31%, 51%, 91%
CMY	0.6941, 0.4941, 0.0941
CMYK	0.66, 0.44, 0.00, 0.09
HSL	220°, 76%, 61%
HSV	220°, 66%, 91%
XYZ	25.4159, 23.0897, 78.7185
YIQ	125.3790, -63.1380, 20.9100

Conversions

Conversions Part 2

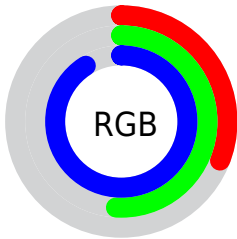
Format	Color
R_{YB}	78, 116, 231
Decimal	5145063
CIE _{Lab}	55.16, 15.38, -56.80
CIE _{LCh}	55, 58.850, 285.152
Yxy	23.0897, 0.1998, 0.1815
Android (android.graphics.Color)	4283335143 (0xFF4E81E7)
YUV	125.3790, 52.0712, -41.5514
Hunter-Lab	48.0517, 10.3231, -63.4928

Details

The XYZ color **25.4159, 23.0897, 78.7185** is a dark color, and the websafe version is hex **6699FF**. The color can be described as middle muted azure. A complement of this color would be **50.6536, 50.1850, 14.2263**, and the grayscale version is **19.4669, 20.4807, 22.3035**.

A 20% lighter version of the original color is **45.5584, 45.9305, 101.0720**, and **10.6803, 8.9800, 41.7278** is the 20% darker color. If you saturate the color by 10%, you get **21.9668, 18.5238, 78.0195**, and if you desaturate by 10%, it is **29.8371, 28.6110, 79.5517**.

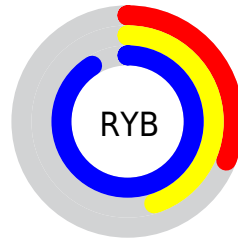
Distribution



Red (31%)

Green (51%)

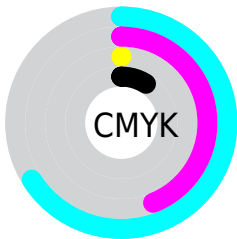
Blue (91%)



Red (31%)

Yellow (45%)

Blue (91%)

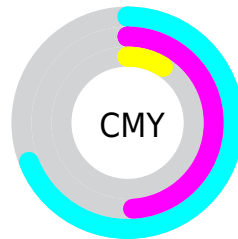


Cyan (66%)

Magenta (44%)

Yellow (0%)

Black (9%)



Cyan (69%)

Magenta (49%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.4159, 23.0897, 78.7185 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 25.4159, 23.0897, 78.7185 by changing the saturation by 10% instead.

■ 25.4159, 23.0897,
78.7185

■ 25.4159, 23.0897,
78.7185

272.2125,
268.1854, 510.1959

■ 16.5176, 14.6598,
58.1444

■ 51.7692, 48.5406,
133.3576

■ 9.9843, 8.5809,
41.5093

■ 69.9548, 66.3303,
168.2596

■ 5.4507, 4.4689,
28.3946

■ 91.9670, 88.0087,
208.7748

■ 2.5515, 1.9391,
18.3817

■ 118.1710,
113.9603, 255.3216

■ 0.9213, 0.5718,
11.0521

148.9322,
144.5693, 308.3186

■ 0.0000, 0.0000,
5.9873

184.6159,

■ 0.0000, 0.0000,

180.2202, 368.1843

2.7687

225.5875,
221.2975, 435.3372

■ 0.0000, 0.0000,
0.9778

■ 0.0000, 0.0000,
0.0000

■ 25.4159, 23.0897,
78.7185

■ 25.4159, 23.0897,
78.7185

■ 21.9668, 18.5238,
78.0195

■ 29.8371, 28.6110,
79.5517

■ 19.4000, 14.8463,
77.4450

■ 35.3029, 35.1434,
80.5245

■ 17.6108, 11.9815,
76.9863

■ 41.8816, 42.7404,
81.6441

■ 17.0773, 11.0763,
76.8397

■ 49.6346, 51.4504,
82.9167

■ 58.6187, 61.3190,
84.3480

■ 68.8868, 72.3888,
85.9435

■ 80.4886, 84.7003,
87.7084

■ 90.5394, 96.7806,
89.5104

■ 91.4239, 98.5496,
89.8052

Harmonies

Analogous

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



18.8657, 23.0897, 78.8246



25.4159, 23.0897, 78.7185



32.1747, 23.0897, 60.2551

Triad

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



25.4159, 23.0897, 78.7185



32.1137, 23.0897, 7.2262



11.8608, 23.0897, 16.9632

Complementary

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



25.4159, 23.0897, 78.7185



50.6536, 50.1850, 14.2263

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.



14.1536, 23.0897, 7.2854



25.4159, 23.0897, 78.7185



25.3447, 23.0897, 3.8797

Square

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



25.4159, 23.0897, 78.7185



36.5355, 23.0897, 16.8213



18.8073, 23.0897, 3.8940



11.8723, 23.0897, 35.8309

Rectangle

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



25.4159, 23.0897, 78.7185



35.5193, 23.0897, 43.6119



18.8073, 23.0897, 3.8940



12.3638, 23.0897, 12.7973

Sweetspot

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



25.4169, 23.0904, 78.7191



68.8079, 71.7694, 104.8341



39.9573, 62.0677, 53.0561



14.0506, 14.6173, 22.3308



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.



25.4169, 23.0904, 78.7191



26.3475, 21.5923, 97.3868



22.8008, 14.1332, 77.1281



13.9733, 14.6681, 18.2391



9.6757, 6.4135, 43.1111



0.7980, 0.6399, 3.2134

Inverse Universe

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



39.6427, 24.0240, 23.3169



45.9707, 25.2296, 20.4377



55.2671, 70.7530, 17.9532



14.5741, 14.4468, 15.9578



19.2773, 9.8452, 5.0895



1.4664, 0.7443, 0.5966

Previews

White Background



This preview shows how the XYZ color 25.4159, 23.0897, 78.7185 looks on a white background.

Color Contrast Check

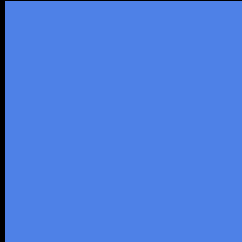
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.4159, 23.0897, 78.7185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

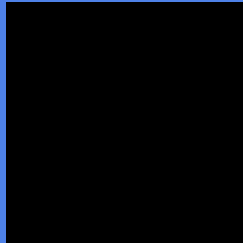
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

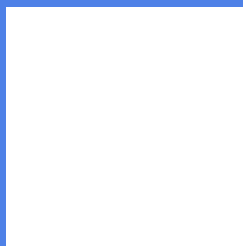
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.4159, 23.0897, 78.7185

Background



This preview shows how black text looks on a background with the XYZ color 25.4159, 23.0897, 78.7185.



This preview shows how white text looks on a background with the XYZ color 25.4159, 23.0897,

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

25.4159, 23.0897, 78.7185

Protanopia

25.7484, 23.0828, 77.9613

Deuteranopia

23.8894, 23.1166, 78.0658



Tritanopia

16.6372, 22.9047, 35.4425

Trichromacy



Original Color

25.4159, 23.0897, 78.7185

Protanomaly

25.4818, 22.9454, 77.9488

Deuteranomaly

24.3378, 23.1455, 78.0477

Tritanomaly

18.9665, 22.4838, 48.6876

Monochromacy



Original Color

25.4159, 23.0897, 78.7185

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

20.3460, 20.7902, 38.0625

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.4159, 23.0897, 78.7185 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(78, 129, 231)` looks like.

```
.text, #text, p{  
    color:rgb(78, 129, 231)  
}
```

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(78, 129, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 129, 231) }
```

Border

The CSS property to change the border of an element to XYZ 25.4159, 23.0897, 78.7185 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(78, 129, 231) }
```


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

```
.border{ border-color:rgb(78, 129, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 129, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 129, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 129, 231);  
box-shadow:4px 4px 4px 4px rgb(78, 129,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 25.4159, 23.0897, 78.7185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 129, 231) }
```

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

```
.background{ background-color: rgb(78, 129,  
231) }
```

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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