

Converting Colors

XYZ(24.3396, 22.1775, 69.4541)

Have a look what the booklet for
XYZ(24.3396, 22.1775, 69.4541)
contains.

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Color

**XYZ(24.3322, 22.1573,
69.3240)**

Conversions

Conversions Part 1

Format	Color
Hex	5A7EDA
RGB	90, 126, 218
RGB Percent	35%, 49%, 85%
CMY	0.6470, 0.5059, 0.1451
CMYK	0.59, 0.42, 0.00, 0.15
HSL	223°, 63%, 60%
HSV	223°, 59%, 85%
XYZ	24.3322, 22.1573, 69.3240
YIQ	125.7240, -50.9880, 20.9800

Conversions

Conversions Part 2

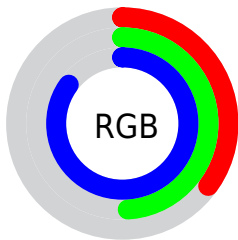
Format	Color
R _Y B	90, 118, 218
Decimal	5930714
CIE Lab	54.19, 14.92, -51.03
CIE LCh	54, 53.170, 286.300
Yxy	22.1573, 0.2101, 0.1913
Android (android.graphics.Color)	4284120794 (0xFF5A7EDA)
YUV	125.7240, 45.4921, -31.3299
Hunter-Lab	47.0715, 9.8949, -54.3685

Details

The XYZ color **24.3322, 22.1573, 69.3240** 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 **47.4886, 49.1023, 16.6491**, and the grayscale version is **19.6016, 20.6224, 22.4578**.

A 20% lighter version of the original color is **46.3648, 45.4504, 100.9368**, and **9.3976, 8.1356, 35.2574** is the 20% darker color. If you saturate the color by 10%, you get **20.6651, 17.5220, 68.6230**, and if you desaturate by 10%, it is **28.9366, 27.7422, 70.1598**.

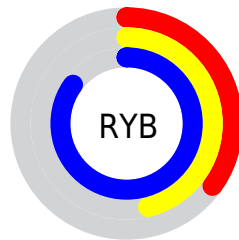
Distribution



Red (35%)

Green (49%)

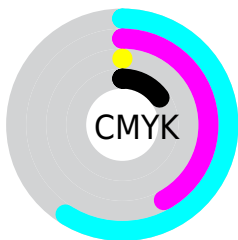
Blue (85%)



Red (35%)

Yellow (46%)

Blue (85%)

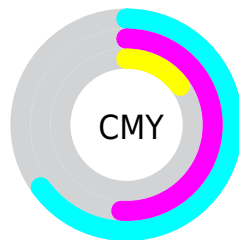


Cyan (59%)

Magenta (42%)

Yellow (0%)

Black (15%)



Cyan (65%)

Magenta (51%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3322, 22.1573, 69.3240 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 24.3322, 22.1573, 69.3240 by changing the saturation by 10% instead.

■ 24.3322, 22.1573,
69.3240

■ 24.3322, 22.1573,
69.3240

266.9051,
263.3666, 476.8977

■ 15.7063, 13.9725,
50.5022

■ 50.0225, 47.0058,
119.9163

■ 9.4061, 8.1016,
35.4386

■ 67.8176, 64.4384,
152.5239

■ 5.0662, 4.1600,
23.7147

■ 89.3998, 85.7223,
190.5638

■ 2.3213, 1.7635,
14.9119

■ 115.1345,
111.2421, 234.4546

■ 0.8055, 0.4642,
8.6116

145.3870,
141.3820, 284.6149

■ 0.0000, 0.0000,
4.3954

180.5227,

■ 0.0000, 0.0000,

176.5264, 341.4632

1.8447

220.9070,
217.0598, 405.4179

■ 0.0000, 0.0000,
0.4572

■ 0.0000, 0.0000,
0.0000

■ 24.3322, 22.1573,
69.3240

■ 24.3322, 22.1573,
69.3240

■ 20.6651, 17.5220,
68.6230

■ 28.9366, 27.7422,
70.1598

■ 17.8620, 13.7760,
68.0477

■ 34.5386, 34.3273,
71.1356

■ 15.8417, 10.8546,
67.5903

■ 41.1962, 41.9617,
72.2583

■ 14.4856, 8.6711,
67.2403

■ 48.9623, 50.6907,
73.5338

■ 14.3401, 8.4323,
67.2019

■ 57.8859, 60.5567,
74.9678

■ 68.0130, 71.5997,
76.5656

■ 79.3873, 83.8579,
78.3322

■ 88.5037, 95.5395,
80.1065

■ 89.6550, 97.8420,
80.4902

Harmonies

Analogous

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



18.5381, 22.1573, 70.0812



24.3322, 22.1573, 69.3240



30.1498, 22.1573, 53.4373

Triad

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



24.3322, 22.1573, 69.3240



29.6998, 22.1573, 7.6656



12.0098, 22.1573, 17.3508

Complementary

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



24.3322, 22.1573, 69.3240



47.4886, 49.1023, 16.6491

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.



14.0095, 22.1573, 8.1503



24.3322, 22.1573, 69.3240



23.8005, 22.1573, 4.5426

Square

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



24.3322, 22.1573, 69.3240



33.6150, 22.1573, 16.2564



18.0949, 22.1573, 4.6664



12.0996, 22.1573, 34.1955

Rectangle

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



24.3322, 22.1573, 69.3240



32.9500, 22.1573, 39.2968



18.0949, 22.1573, 4.6664



12.4416, 22.1573, 13.4685

Sweetspot

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



24.3331, 22.1580, 69.3246



70.4962, 73.0367, 104.9897



37.7049, 55.6836, 52.8737



14.3514, 14.8095, 22.3521



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.



24.3331, 22.1580, 69.3246



28.6208, 23.8779, 97.7082



23.7475, 16.2088, 68.2071



12.6353, 13.2104, 16.5361



8.6701, 5.2095, 40.2870



0.6339, 0.4820, 2.6341

Inverse Universe

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



36.3364, 23.7254, 22.4034



47.6701, 28.0225, 22.8720



48.2197, 61.8632, 19.0737



13.2058, 13.1114, 14.3450



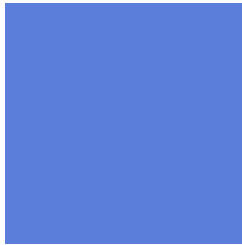
17.8716, 9.1497, 3.7038



1.1943, 0.6073, 0.4320

Previews

White Background



This preview shows how the XYZ color 24.3322, 22.1573, 69.3240 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 24.3322, 22.1573, 69.3240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

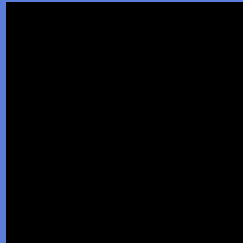
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.3322, 22.1573, 69.3240

Background



This preview shows how black text looks on a background with the XYZ color 24.3322, 22.1573, 69.3240.

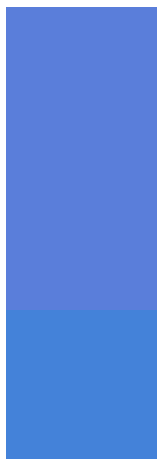


This preview shows how white text looks on a background with the XYZ color 24.3322, 22.1573,

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

24.3322, 22.1573, 69.3240

Protanopia

24.3322, 22.1573, 69.3240

Deuteranopia

22.8909, 22.2040, 68.7250



Tritanopia

17.0322, 22.0473, 33.0636

Trichromacy



Original Color

24.3322, 22.1573, 69.3240

Protanomaly

24.3322, 22.1573, 69.3240

Deuteranomaly

23.3551, 22.2468, 68.7087

Tritanomaly

19.1729, 21.8403, 44.2794

Monochromacy



Original Color

24.3322, 22.1573, 69.3240

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.5289, 20.9356, 35.7599

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3322, 22.1573, 69.3240 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(90, 126, 218)` looks like.

```
.text, #text, p{  
    color:rgb(90, 126, 218)  
}
```

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(90, 126, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 126, 218) }
```

Border

The CSS property to change the border of an element to XYZ 24.3322, 22.1573, 69.3240 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(90, 126, 218) }
```


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

```
.border{ border-color:rgb(90, 126, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 126, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 126, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 126, 218);  
box-shadow:4px 4px 4px 4px rgb(90, 126,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3322, 22.1573, 69.3240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 126, 218) }
```

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

```
.background{ background-color: rgb(90, 126,  
218) }
```

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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