

Converting Colors

XYZ(19.4395, 13.9258, 70.7706)

Have a look what the booklet for
XYZ(19.4395, 13.9258, 70.7706)
contains.

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Color

**XYZ(19.4395, 13.9258,
70.7706)**

Conversions

Conversions Part 1

Format	Color
Hex	475ADE
RGB	71, 90, 222
RGB Percent	28%, 35%, 87%
CMY	0.7215, 0.6471, 0.1294
CMYK	0.68, 0.59, 0.00, 0.13
HSL	232°, 70%, 57%
HSV	232°, 68%, 87%
XYZ	19.4395, 13.9258, 70.7706
YIQ	99.3670, -53.6960, 37.0240

Conversions

Conversions Part 2

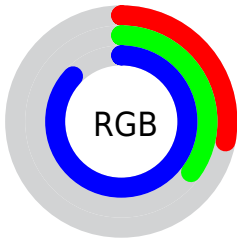
Format	Color
R_{YB}	71, 88, 222
Decimal	4676318
CIE _{Lab}	44.13, 35.43, -69.58
CIE _{LCh}	44, 78.078, 296.982
Yxy	13.9258, 0.1867, 0.1337
Android (android.graphics.Color)	4282866398 (0xFF475ADE)
YUV	99.3670, 60.4581, -24.8779
Hunter-Lab	37.3173, 27.6798, -86.3188

Details

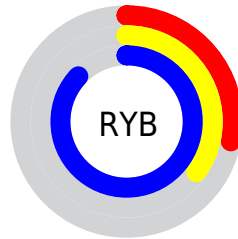
The XYZ color **19.4395, 13.9258, 70.7706** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark muted blue. A complement of this color would be **52.6204, 58.7015, 14.5200**, and the grayscale version is **11.8149, 12.4302, 13.5365**.

A 20% lighter version of the original color is **37.5814, 31.2104, 98.6512**, and **7.8213, 4.6299, 36.5578** is the 20% darker color. If you saturate the color by 10%, you get **16.6697, 10.3769, 70.2319**, and if you desaturate by 10%, it is **23.2325, 18.6365, 71.4803**.

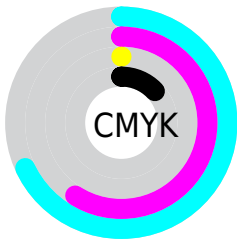
Distribution



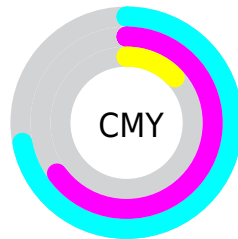
- Red (28%)
- Green (35%)
- Blue (87%)



- Red (28%)
- Yellow (35%)
- Blue (87%)



- Cyan (68%)
- Magenta (59%)
- Yellow (0%)
- Black (13%)



- Cyan (72%)
- Magenta (65%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4395, 13.9258, 70.7706 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 19.4395, 13.9258, 70.7706 by changing the saturation by 10% instead.

■ 19.4395, 13.9258,
70.7706

■ 19.4395, 13.9258,
70.7706

241.7562,
216.7687, 482.1131

■ 12.0942, 8.0691,
51.6743

■ 41.9866, 32.9573,
121.9984

■ 6.8805, 4.1392,
36.3651

■ 57.9191, 46.9009,
154.9671

■ 3.4331, 1.7517,
24.4244

■ 77.4446, 64.3089,
193.3969

■ 1.3867, 0.4568,
15.4336

■ 100.9286, 85.5657,
237.7065

■ 0.2467, 0.0000,
8.9743

■ 128.7364,
111.0557, 288.3144

■ 0.0000, 0.0000,
4.6278

161.2334,

■ 0.0000, 0.0000,

141.1632, 345.6391

1.9757

198.7849,
176.2728, 410.0992

■ 0.0000, 0.0000,
0.5403

■ 0.0000, 0.0000,
0.0000

■ 19.4395, 13.9258,
70.7706

■ 19.4395, 13.9258,
70.7706

■ 16.6697, 10.3769,
70.2319

■ 23.2325, 18.6365,
71.4803

■ 14.8185, 7.8854,
69.8486

■ 28.1351, 24.5986,
72.3727

■ 13.7506, 6.3234,
69.6034

■ 34.2266, 31.8940,
73.4598

■ 13.5983, 6.1007,
69.5684

■ 41.5787, 40.5973,
74.7522

■ 50.2572, 50.7776,
76.2598

■ 60.3234, 62.4993,
77.9918

■ 71.8346, 75.8231,
79.9568

■ 84.8450, 90.8063,
82.1631

■ 90.1849, 98.0540,
83.2806

Harmonies

Analogous

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



12.6162, 13.9258, 81.5597



19.4395, 13.9258, 70.7706



26.0142, 13.9258, 42.5409

Triad

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



19.4395, 13.9258, 70.7706



20.8832, 13.9258, 0.7419



4.5234, 13.9258, 13.4298

Complementary

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



19.4395, 13.9258, 70.7706



52.6204, 58.7015, 14.5200

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.



5.5258, 13.9258, 3.1078



19.4395, 13.9258, 70.7706



13.8758, 13.9258, 0.0000

Square

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



19.4395, 13.9258, 70.7706



27.0149, 13.9258, 4.3251



8.5164, 13.9258, 0.4545



5.1814, 13.9258, 36.6245

Rectangle

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



19.4395, 13.9258, 70.7706



28.6473, 13.9258, 24.2633



8.5164, 13.9258, 0.4545



4.6671, 13.9258, 8.6808

Sweetspot

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



19.4402, 13.9262, 70.7710



66.1008, 66.3554, 103.9317



39.3657, 57.8408, 64.8850



13.4119, 13.3399, 22.1179



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.



19.4402, 13.9262, 70.7710



21.5024, 12.4590, 95.8793



24.0980, 14.2456, 70.5872



13.0903, 13.5197, 17.3073



8.1209, 3.7114, 41.3367



0.6090, 0.3494, 2.8806

Inverse Universe

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



34.2236, 20.7755, 11.8790



43.3893, 23.6767, 8.4481



43.1188, 60.8739, 15.4401



13.7770, 13.7284, 14.5960



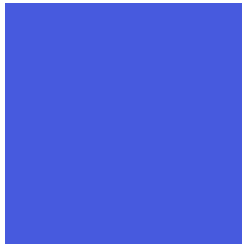
18.0393, 9.2827, 1.6066



1.2736, 0.6527, 0.2338

Previews

White Background



This preview shows how the XYZ color 19.4395, 13.9258, 70.7706 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 19.4395, 13.9258, 70.7706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

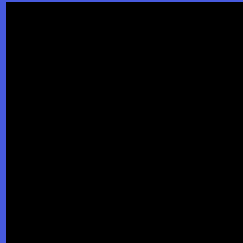
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.4395, 13.9258, 70.7706

Background



This preview shows how black text looks on a background with the XYZ color 19.4395, 13.9258, 70.7706.



This preview shows how white text looks on a background with the XYZ color 19.4395, 13.9258,

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

19.4395, 13.9258, 70.7706

Protanopia

16.4408, 13.8678, 64.0976

Deuteranopia

13.7013, 13.7270, 46.7272



Tritanopia

9.7688, 13.7167, 21.2015

Trichromacy



Original Color

19.4395, 13.9258, 70.7706

Protanomaly

17.0035, 13.5432, 66.6837

Deuteranomaly

15.0612, 13.3652, 54.6092

Tritanomaly

11.9252, 13.0657, 35.1511

Monochromacy



Original Color

19.4395, 13.9258, 70.7706

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

13.3367, 12.5032, 28.0960

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4395, 13.9258, 70.7706 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(71, 90, 222)` looks like.

```
.text, #text, p{  
    color:rgb(71, 90, 222)  
}
```

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(71, 90, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 90, 222) }
```

Border

The CSS property to change the border of an element to XYZ 19.4395, 13.9258, 70.7706 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(71, 90, 222) }
```


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

```
.border{ border-color:rgb(71, 90, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 90, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 90, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 90, 222);  
box-shadow:4px 4px 4px 4px rgb(71, 90,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4395, 13.9258, 70.7706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 90, 222) }
```

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

```
.background{ background-color: rgb(71, 90,  
222) }
```

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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