

Converting Colors

XYZ(24.4226, 19.2177, 82.3978)

Have a look what the booklet for
XYZ(24.4226, 19.2177, 82.3978)
contains.

XYZ(24.4502, 19.2771, 82.5530)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.4502, 19.2771,
82.5530)**

Conversions

Conversions Part 1

Format	Color
Hex	526FED
RGB	82, 111, 237
RGB Percent	32%, 44%, 93%
CMY	0.6784, 0.5647, 0.0706
CMYK	0.65, 0.53, 0.00, 0.07
HSL	229°, 81%, 63%
HSV	229°, 65%, 93%
XYZ	24.4502, 19.2771, 82.5530
YIQ	116.6930, -57.7300, 33.0380

Conversions

Conversions Part 2

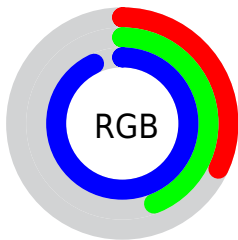
Format	Color
R _Y B	82, 106, 237
Decimal	5402605
CIE Lab	51.01, 29.16, -66.84
CIE LCh	51, 72.919, 293.570
Yxy	19.2771, 0.1936, 0.1527
Android (android.graphics.Color)	4283592685 (0xFF526FED)
YUV	116.6930, 59.3114, -30.4258
Hunter-Lab	43.9057, 22.5681, -80.7451

Details

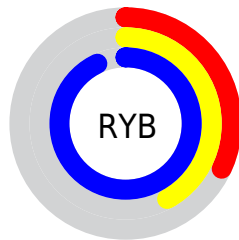
The XYZ color **24.4502, 19.2771, 82.5530** is a dark color, and the websafe version is hex **6666CC**. The color can be described as middle muted azure. A complement of this color would be **59.0070, 63.7306, 17.1758**, and the grayscale version is **16.6502, 17.5173, 19.0764**.

A 20% lighter version of the original color is **42.8244, 39.1717, 99.9115**, and **10.0716, 6.9621, 43.9930** is the 20% darker color. If you saturate the color by 10%, you get **20.8532, 14.6314, 81.8463**, and if you desaturate by 10%, it is **29.2138, 25.1973, 83.4451**.

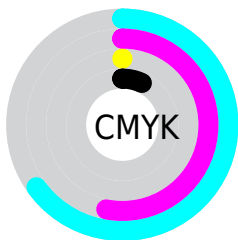
Distribution



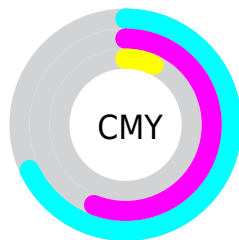
- Red (32%)
- Green (44%)
- Blue (93%)



- Red (32%)
- Yellow (42%)
- Blue (93%)



- Cyan (65%)
- Magenta (53%)
- Yellow (0%)
- Black (7%)



- Cyan (68%)
- Magenta (56%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4502, 19.2771, 82.5530 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 24.4502, 19.2771, 82.5530 by changing the saturation by 10% instead.

■ 24.4502, 19.2771,
82.5530

■ 24.4502, 19.2771,
82.5530

267.4871,
247.9743, 523.4275

■ 15.7945, 11.8707,
61.2830

■ 50.2132, 42.2018,
138.7929

■ 9.4687, 6.6557,
44.0216

■ 68.0512, 58.4889,
174.5998

■ 5.1077, 3.2477,
30.3501

■ 89.6806, 78.5050,
216.0894

■ 2.3460, 1.2624,
19.8502

■ 115.4669,
102.6344, 263.6804

■ 0.8181, 0.1118,
12.1032

145.7753,
131.2617, 317.7911

■ 0.0000, 0.0000,
6.6906

180.9713,

■ 0.0000, 0.0000,

164.7712, 378.8402

3.1939

221.4201,
203.5472, 447.2461

■ 0.0000, 0.0000,
1.1945

■ 0.0000, 0.0000,
0.0000

■ 24.4502, 19.2771,
82.5530

■ 24.4502, 19.2771,
82.5530

■ 20.8532, 14.6314,
81.8463

■ 29.2138, 25.1973,
83.4451

■ 18.3137, 11.1602,
81.3102

■ 35.2340, 32.4781,
84.5331

■ 16.7052, 8.7494,
80.9296

■ 42.5948, 41.1995,
85.8286

■ 16.1992, 7.9405,
80.8002

■ 51.3721, 51.4349,
87.3416

■ 61.6362, 63.2525,
89.0817

■ 73.4522, 76.7163,
91.0577

■ 86.8817, 91.8866,
93.2780

■ 92.2862, 98.8945,
94.3458

Harmonies

Analogous

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



16.8117, 19.2771, 90.4292



24.4502, 19.2771, 82.5530



31.9089, 19.2771, 54.5414

Triad

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



24.4502, 19.2771, 82.5530



27.8603, 19.2771, 2.5026



7.7028, 19.2771, 16.8457

Complementary

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



24.4502, 19.2771, 82.5530



59.0070, 63.7306, 17.1758

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.



9.2715, 19.2771, 5.1292



24.4502, 19.2771, 82.5530



19.9208, 19.2771, 1.0877

Square

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



24.4502, 19.2771, 82.5530



34.2118, 19.2771, 8.7711



13.3147, 19.2771, 1.5718



8.3192, 19.2771, 41.2291

Rectangle

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



24.4502, 19.2771, 82.5530



35.1158, 19.2771, 34.3569



13.3147, 19.2771, 1.5718



7.9750, 19.2771, 11.6357

Sweetspot

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



24.4511, 19.2776, 82.5535



66.8820, 67.9177, 104.1921



44.9058, 66.8194, 68.9247



13.5955, 13.7071, 22.1791



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.



24.4511, 19.2776, 82.5535



23.6275, 15.9458, 96.4403



27.2827, 16.7791, 81.9220



14.4591, 15.0047, 19.0564



8.9138, 4.4746, 44.1368



0.7641, 0.4796, 3.4872

Inverse Universe

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



40.8125, 25.1884, 17.7498



44.6483, 24.8938, 12.8783



53.1689, 72.1902, 19.1164



15.1806, 15.1001, 16.2361



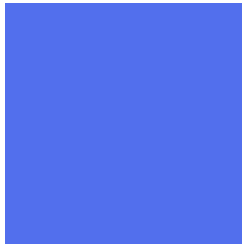
19.3546, 9.9445, 2.4026



1.5522, 0.7938, 0.3590

Previews

White Background



This preview shows how the XYZ color 24.4502, 19.2771, 82.5530 looks on a white background.

Color Contrast Check

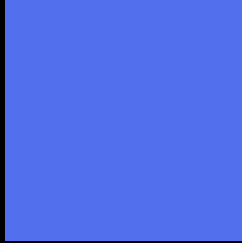
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.4502, 19.2771, 82.5530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

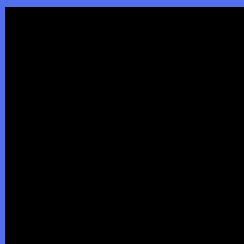
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.4502, 19.2771, 82.5530

Background



This preview shows how black text looks on a background with the XYZ color 24.4502, 19.2771, 82.5530.



This preview shows how white text looks on a background with the XYZ color 24.4502, 19.2771,

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

24.4502, 19.2771, 82.5530

Protanopia

23.0187, 19.2689, 87.3001

Deuteranopia

19.3487, 19.0722, 66.9515



Tritanopia

13.7236, 19.1397, 29.7591

Trichromacy



Original Color

24.4502, 19.2771, 82.5530

Protanomaly

23.2099, 19.0636, 85.6754

Deuteranomaly

20.4515, 18.7974, 72.3624

Tritanomaly

16.1564, 18.4761, 44.8342

Monochromacy



Original Color

24.4502, 19.2771, 82.5530

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

18.2727, 17.7777, 36.1866

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4502, 19.2771, 82.5530 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(82, 111, 237)` looks like.

```
.text, #text, p{  
    color:rgb(82, 111, 237)  
}
```

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(82, 111, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 111, 237) }
```

Border

The CSS property to change the border of an element to XYZ 24.4502, 19.2771, 82.5530 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(82, 111, 237) }
```


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

```
.border{ border-color:rgb(82, 111, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 111, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 111, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 111, 237);  
box-shadow:4px 4px 4px 4px rgb(82, 111,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4502, 19.2771, 82.5530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 111, 237) }
```

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

```
.background{ background-color: rgb(82, 111,  
237) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor