

Converting Colors

XYZ(26.8701, 22.2314, 83.1888)

Have a look what the booklet for
XYZ(26.8701, 22.2314, 83.1888)
contains.

XYZ(26.8427, 22.2221, 82.9953)	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(26.8427, 22.2221,
82.9953)**

Conversions

Conversions Part 1

Format	Color
Hex	5F79ED
RGB	95, 121, 237
RGB Percent	37%, 47%, 93%
CMY	0.6274, 0.5255, 0.0706
CMYK	0.60, 0.49, 0.00, 0.07
HSL	229°, 80%, 65%
HSV	229°, 60%, 93%
XYZ	26.8427, 22.2221, 82.9953
YIQ	126.4500, -52.7320, 30.5640

Conversions

Conversions Part 2

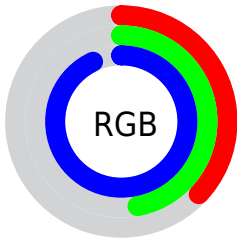
Format	Color
R _Y B	95, 117, 237
Decimal	6257133
CIE Lab	54.26, 25.19, -61.55
CIE LCh	54, 66.510, 292.257
Yxy	22.2221, 0.2033, 0.1683
Android (android.graphics.Color)	4284447213 (0xFF5F79ED)
YUV	126.4500, 54.5011, -27.5817
Hunter-Lab	47.1403, 19.1461, -71.3878

Details

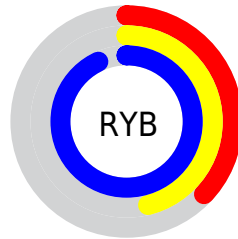
The XYZ color **26.8427, 22.2221, 82.9953** is a dark color, and the websafe version is hex **6666CC**. The color can be described as middle muted azure. A complement of this color would be **60.2868, 65.4224, 20.2784**, and the grayscale version is **19.8183, 20.8504, 22.7061**.

A 20% lighter version of the original color is **46.7039, 44.1751, 100.6728**, and **10.7209, 8.1120, 44.1807** is the 20% darker color. If you saturate the color by 10%, you get **22.6233, 16.8978, 82.1905**, and if you desaturate by 10%, it is **32.2849, 28.8780, 83.9937**.

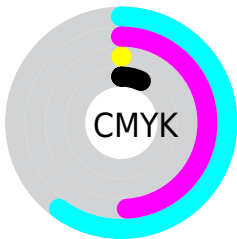
Distribution



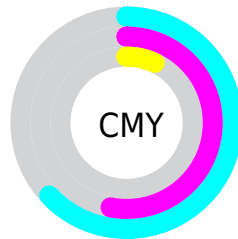
- Red (37%)
- Green (47%)
- Blue (93%)



- Red (37%)
- Yellow (46%)
- Blue (93%)



- Cyan (60%)
- Magenta (49%)
- Yellow (0%)
- Black (7%)



- Cyan (63%)
- Magenta (53%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 26.8427, 22.2221, 82.9953 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 26.8427, 22.2221, 82.9953 by changing the saturation by 10% instead.

■ 26.8427, 22.2221,
82.9953

■ 26.8427, 22.2221,
82.9953

279.0762,
263.7039, 524.9414

■ 17.5911, 14.0202,
61.6457

■ 54.0530, 47.1128,
139.4181

■ 10.7547, 8.1347,
44.3125

■ 72.7424, 64.5704,
175.3283

■ 5.9682, 4.1813,
30.5773

■ 95.3085, 85.8820,
216.9291

■ 2.8662, 1.7755,
20.0214

■ 122.1166,
111.4320, 264.6391

■ 1.0834, 0.4718,
12.2264

153.5321,
141.6048, 318.8768

■ 0.0112, 0.0000,
6.7736

189.9202,

■ 0.0000, 0.0000,

176.7848, 380.0607

3.2446

231.6465,
217.3564, 448.6094

■ 0.0000, 0.0000,
1.2209

■ 0.0000, 0.0000,
0.0000

■ 26.8427, 22.2221,
82.9953

■ 26.8427, 22.2221,
82.9953

■ 22.6233, 16.8978,
82.1905

■ 32.2849, 28.8780,
83.9937

■ 19.5250, 12.8100,
81.5648

■ 39.0344, 36.9473,
85.1955

■ 17.4336, 9.8534,
81.1043

■ 47.1716, 46.5074,
86.6119

■ 16.1730, 7.8843,
80.7907

■ 56.7694, 57.6294,
88.2528

■ 16.1642, 7.8705,
80.7885

■ 67.8956, 70.3797,
90.1274

■ 80.6135, 84.8210,
92.2446

■ 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.



19.3016, 22.2221, 89.0646



26.8427, 22.2221, 82.9953



34.1469, 22.2221, 57.7075

Triad

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



26.8427, 22.2221, 82.9953



30.8357, 22.2221, 4.3837



10.1157, 22.2221, 19.2142

Complementary

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



26.8427, 22.2221, 82.9953



60.2868, 65.4224, 20.2784

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.



11.9179, 22.2221, 7.0813



26.8427, 22.2221, 82.9953



23.0523, 22.2221, 2.2939

Square

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



26.8427, 22.2221, 82.9953



36.7950, 22.2221, 12.0227



16.2770, 22.2221, 2.8795



10.6830, 22.2221, 42.6475

Rectangle

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



26.8427, 22.2221, 82.9953



37.3405, 22.2221, 38.4864



16.2770, 22.2221, 2.8795



10.4468, 22.2221, 13.9698

Sweetspot

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



26.8437, 22.2228, 82.9959



69.3155, 70.6753, 104.5961



46.7583, 67.7036, 72.2109



14.0678, 14.2423, 22.2575



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.



26.8437, 22.2228, 82.9959



25.7307, 18.6803, 96.8572



30.1893, 19.8730, 82.3660



14.4542, 14.9949, 19.0547



8.8935, 4.4340, 44.1301



0.7617, 0.4749, 3.4864

Inverse Universe

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



42.4693, 27.5707, 21.1729



46.0692, 26.8377, 16.1198



54.0975, 72.6063, 21.9912



15.1781, 15.0991, 16.2231



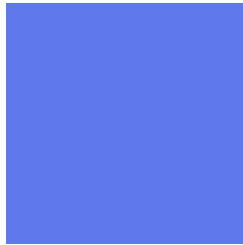
19.3443, 9.9404, 2.3486



1.5510, 0.7934, 0.3529

Previews

White Background



This preview shows how the XYZ color 26.8427, 22.2221, 82.9953 looks on a white background.

Color Contrast Check

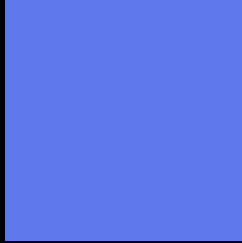
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.8427, 22.2221, 82.9953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

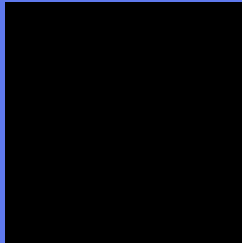
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 26.8427, 22.2221, 82.9953

Background



This preview shows how black text looks on a background with the XYZ color 26.8427, 22.2221, 82.9953.



This preview shows how white text looks on a background with the XYZ color 26.8427, 22.2221,

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

26.8427, 22.2221, 82.9953

Protanopia

25.5947, 22.2470, 86.1642

Deuteranopia

22.8243, 22.1158, 80.1566



Tritanopia

16.8797, 22.1866, 33.0986

Trichromacy



Original Color

26.8427, 22.2221, 82.9953

Protanomaly

26.0777, 22.3263, 85.3730

Deuteranomaly

23.1338, 21.4766, 80.7680

Tritanomaly

19.6709, 21.8087, 47.9725

Monochromacy



Original Color

26.8427, 22.2221, 82.9953

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

21.1608, 20.8133, 38.9785

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.8427, 22.2221, 82.9953 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(95, 121, 237)` looks like.

```
.text, #text, p{  
    color:rgb(95, 121, 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(95, 121, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 121, 237) }
```

Border

The CSS property to change the border of an element to XYZ 26.8427, 22.2221, 82.9953 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(95, 121, 237) }
```


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

```
.border{ border-color:rgb(95, 121, 237) }
```

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

Here you see how a box with a 4 pixel rgb(95, 121, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 121, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 121, 237);  
box-shadow:4px 4px 4px 4px rgb(95, 121,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 26.8427, 22.2221, 82.9953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 121, 237) }
```

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

```
.background{ background-color: rgb(95, 121,  
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