

Converting Colors

XYZ(28.6853, 26.6423, 81.9252)

Have a look what the booklet for
XYZ(28.6853, 26.6423, 81.9252)
contains.

XYZ(28.7000, 26.5548, 82.2102)	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(28.7000, 26.5548,
82.2102)**

Conversions

Conversions Part 1

Format	Color
Hex	5E8AEB
RGB	94, 138, 235
RGB Percent	37%, 54%, 92%
CMY	0.6313, 0.4588, 0.0784
CMYK	0.60, 0.41, 0.00, 0.08
HSL	221°, 78%, 65%
HSV	221°, 60%, 92%
XYZ	28.7000, 26.5548, 82.2102
YIQ	135.9020, -57.3610, 20.8390

Conversions

Conversions Part 2

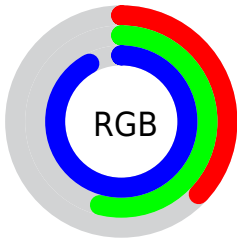
Format	Color
R _Y B	94, 128, 235
Decimal	6195947
CIE Lab	58.56, 14.06, -53.57
CIE LCh	59, 55.381, 284.710
Yxy	26.5548, 0.2088, 0.1932
Android (android.graphics.Color)	4284386027 (0xFF5E8AEB)
YUV	135.9020, 48.8553, -36.7481
Hunter-Lab	51.5313, 9.2344, -58.5160

Details

The XYZ color **28.7000, 26.5548, 82.2102** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **54.9143, 55.7353, 18.4552**, and the grayscale version is **23.2047, 24.4132, 26.5860**.

A 20% lighter version of the original color is **50.0072, 51.3516, 101.8839**, and **11.8342, 10.4640, 44.0438** is the 20% darker color. If you saturate the color by 10%, you get **24.4972, 21.1976, 81.3982**, and if you desaturate by 10%, it is **33.9835, 32.9824, 83.1729**.

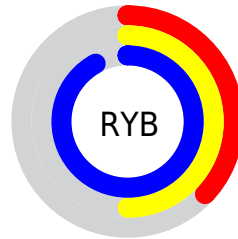
Distribution



Red (37%)

Green (54%)

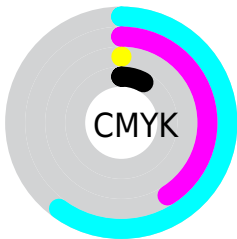
Blue (92%)



Red (37%)

Yellow (50%)

Blue (92%)

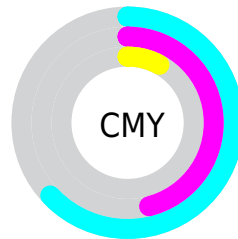


Cyan (60%)

Magenta (41%)

Yellow (0%)

Black (8%)



Cyan (63%)

Magenta (46%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7000, 26.5548, 82.2102 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 28.7000, 26.5548, 82.2102 by changing the saturation by 10% instead.

■ 28.7000, 26.5548,
82.2102

■ 28.7000, 26.5548,
82.2102

287.8166,
285.4950, 522.2524

■ 18.9971, 17.2391,
61.0020

■ 57.0010, 54.1686,
138.3081

■ 11.7722, 10.4051,
43.7962

■ 76.3298, 73.2356,
174.0348

■ 6.6598, 5.6684,
30.1743

■ 99.5980, 96.3218,
215.4381

■ 3.2947, 2.6445,
19.7178

■ 127.1708,
123.8116, 262.9366

■ 1.3115, 0.9491,
12.0080

159.4138,
156.0895, 316.9487

■ 0.1918, 0.0000,
6.6265

196.6922,

■ 0.0000, 0.0000,

193.5397, 377.8930

3.1548

239.3713,
236.5468, 446.1881

■ 0.0000, 0.0000,
1.1742

■ 0.0000, 0.0000,
0.0000

■ 28.7000, 26.5548,
82.2102

■ 28.7000, 26.5548,
82.2102

■ 24.4972, 21.1976,
81.3982

■ 33.9835, 32.9824,
83.1729

■ 21.2879, 16.8422,
80.7267

■ 40.4192, 40.5373,
84.2920

■ 18.9747, 13.4145,
80.1870

■ 48.0756, 49.2753,
85.5751

■ 17.4000, 10.8071,
79.7667

■ 57.0149, 59.2473,
87.0287

■ 17.3996, 10.8063,
79.7666

■ 67.2947, 70.5011,
88.6591

■ 78.9692, 83.0818,
90.4721

■ 90.7869, 96.3609,
92.4124

■ 91.9955, 98.7782,
92.8153

Harmonies

Analogous

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



21.9528, 26.5548, 82.0141



28.7000, 26.5548, 82.2102



35.5771, 26.5548, 64.4312

Triad

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



28.7000, 26.5548, 82.2102



35.6944, 26.5548, 9.7869



14.6295, 26.5548, 20.1367

Complementary

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



28.7000, 26.5548, 82.2102



54.9143, 55.7353, 18.4552

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.



17.1278, 26.5548, 9.6577



28.7000, 26.5548, 82.2102



28.8390, 26.5548, 5.7719

Square

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



28.7000, 26.5548, 82.2102



40.0803, 26.5548, 20.4247



22.0691, 26.5548, 5.7386



14.6058, 26.5548, 39.4788

Rectangle

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



28.7000, 26.5548, 82.2102



38.9708, 26.5548, 47.9956



22.0691, 26.5548, 5.7386



15.1847, 26.5548, 15.7077

Sweetspot

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



28.7011, 26.5557, 82.2109



70.8734, 73.7911, 105.1154



43.6583, 65.5303, 59.2653



14.4423, 14.9913, 22.3824



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.



28.7011, 26.5557, 82.2109



28.4872, 24.1933, 97.7761



26.7247, 17.9878, 80.6613



14.6147, 15.3157, 19.1082



9.7838, 6.2146, 44.4268



0.8513, 0.6541, 3.5163

Inverse Universe

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



42.8521, 27.5041, 27.0956



47.4605, 27.3942, 23.4466



58.0668, 73.8029, 21.7764



15.2590, 15.1315, 16.6494



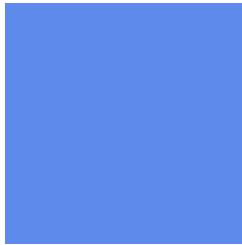
19.7937, 10.1202, 4.7150



1.5962, 0.8114, 0.5910

Previews

White Background



This preview shows how the XYZ color 28.7000, 26.5548, 82.2102 looks on a white background.

Color Contrast Check

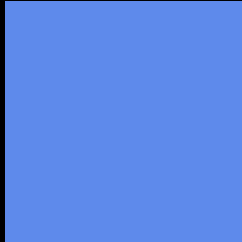
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7000, 26.5548, 82.2102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

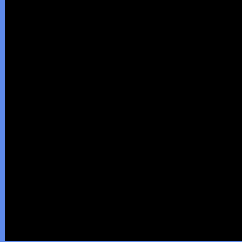
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.7000, 26.5548, 82.2102

Background



This preview shows how black text looks on a background with the XYZ color 28.7000, 26.5548, 82.2102.



This preview shows how white text looks on a background with the XYZ color 28.7000, 26.5548,

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

28.7000, 26.5548, 82.2102

Protanopia

29.0525, 26.5412, 81.4336

Deuteranopia

27.3567, 26.5268, 81.5202



Tritanopia

20.2327, 26.5558, 39.6567

Trichromacy



Original Color

28.7000, 26.5548, 82.2102

Protanomaly

28.8339, 26.4285, 81.4234

Deuteranomaly

27.7966, 26.5357, 81.4988

Tritanomaly

22.7082, 26.3534, 52.6051

Monochromacy



Original Color

28.7000, 26.5548, 82.2102

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

24.2772, 24.9348, 42.5631

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7000, 26.5548, 82.2102 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(94, 138, 235)` looks like.

```
.text, #text, p{  
    color:rgb(94, 138, 235)  
}
```

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(94, 138, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 138, 235) }
```

Border

The CSS property to change the border of an element to XYZ 28.7000, 26.5548, 82.2102 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(94, 138, 235) }
```


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

```
.border{ border-color:rgb(94, 138, 235) }
```

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

Here you see how a box with a 4 pixel rgb(94, 138, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 138, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 138, 235);  
box-shadow:4px 4px 4px 4px rgb(94, 138,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7000, 26.5548, 82.2102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 138, 235) }
```

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

```
.background{ background-color: rgb(94, 138,  
235) }
```

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