

Converting Colors

XYZ(27.8667, 25.5033, 59.6283)

Have a look what the booklet for
XYZ(27.8667, 25.5033, 59.6283)
contains.

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Color

**XYZ(27.8006, 25.5514,
59.3438)**

Conversions

Conversions Part 1

Format	Color
Hex	7F85CA
RGB	127, 133, 202
RGB Percent	50%, 52%, 79%
CMY	0.5019, 0.4784, 0.2078
CMYK	0.37, 0.34, 0.00, 0.21
HSL	235°, 41%, 65%
HSV	235°, 37%, 79%
XYZ	27.8006, 25.5514, 59.3438
YIQ	139.0720, -25.7250, 20.1870

Conversions

Conversions Part 2

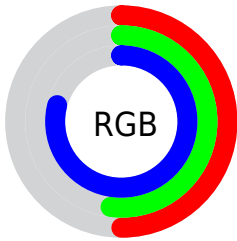
Format	Color
R_{YB}	127, 133, 202
Decimal	8357322
CIE _{Lab}	57.61, 14.62, -36.46
CIE _{LCh}	58, 39.280, 291.854
Yxy	25.5514, 0.2467, 0.2267
Android (android.graphics.Color)	4286547402 (0xFF7F85CA)
YUV	139.0720, 31.0235, -10.5871
Hunter-Lab	50.5484, 9.7117, -34.2226

Details

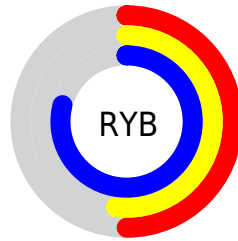
The XYZ color **27.8006, 25.5514, 59.3438** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **47.9285, 53.5695, 27.8936**, and the grayscale version is **24.4605, 25.7344, 28.0247**.

A 20% lighter version of the original color is **54.9003, 52.2829, 101.8058**, and **11.3397, 9.9346, 29.3369** is the 20% darker color. If you saturate the color by 10%, you get **22.7651, 19.5072, 58.4430**, and if you desaturate by 10%, it is **33.8911, 32.8087, 60.4241**.

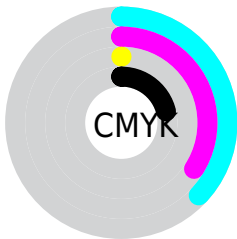
Distribution



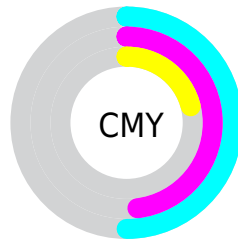
- Red (50%)
- Green (52%)
- Blue (79%)



- Red (50%)
- Yellow (52%)
- Blue (79%)



- Cyan (37%)
- Magenta (34%)
- Yellow (0%)
- Black (21%)



- Cyan (50%)
- Magenta (48%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8006, 25.5514, 59.3438 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 27.8006, 25.5514, 59.3438 by changing the saturation by 10% instead.

■ 27.8006, 25.5514,
59.3438

■ 27.8006, 25.5514,
59.3438

283.6103,
280.5729, 439.9121

■ 18.3151, 16.4883,
42.4681

■ 55.5768, 52.5504,
105.4112

■ 11.2775, 9.8704,
29.1397

■ 74.5982, 71.2550,
135.4400

■ 6.3225, 5.3131,
18.9400

■ 97.5290, 93.9424,
170.6902

■ 3.0847, 2.4321,
11.4506

124.7344,
120.9968, 211.5805

■ 1.1987, 0.8423,
6.2528

156.5799,
152.8027, 258.5292

■ 0.1053, 0.0000,
2.9281

193.4308,

■ 0.0000, 0.0000,

189.7444, 311.9551

1.0581

235.6525,
232.2063, 372.2765

■ 0.0000, 0.0000,
0.0000

■ 27.8006, 25.5514,
59.3438

■ 27.8006, 25.5514,
59.3438

■ 22.7651, 19.5072,
58.4430

■ 33.8911, 32.8087,
60.4241

■ 18.7220, 14.6070,
57.7103

■ 41.0892, 41.3374,
61.6909

■ 15.6062, 10.7794,
57.1357

■ 49.4472, 51.1953,
63.1531

■ 13.3435, 7.9436,
56.7076

■ 59.0130, 62.4359,
64.8186

■ 11.8484, 6.0071,
56.4126

■ 69.8323, 75.1099,
66.6947

■ 11.0108, 4.8566,
56.2347

■ 81.9480, 89.2652,
68.7884

■ 10.8484, 4.6396,
56.2014

■ 87.6608, 97.0443,
69.9888

Harmonies

Analogous

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



23.0301, 25.5514, 62.0277



27.8006, 25.5514, 59.3438



32.0926, 25.5514, 47.0214

Triad

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



27.8006, 25.5514, 59.3438



30.2940, 25.5514, 12.0492



16.4065, 25.5514, 24.3191

Complementary

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



27.8006, 25.5514, 59.3438



47.9285, 53.5695, 27.8936

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.



17.8604, 25.5514, 14.7213



27.8006, 25.5514, 59.3438



25.5864, 25.5514, 9.2840

Square

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



27.8006, 25.5514, 59.3438



33.6563, 25.5514, 19.2704



21.0806, 25.5514, 10.0731



16.8393, 25.5514, 38.5876

Rectangle

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



27.8006, 25.5514, 59.3438



33.9051, 25.5514, 36.6666



21.0806, 25.5514, 10.0731



16.6833, 25.5514, 20.5266

Sweetspot

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



27.8015, 25.5524, 59.3444



77.7858, 79.6888, 105.8895



39.8091, 50.7279, 59.7694



16.2315, 16.5638, 22.5916



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.



27.8015, 25.5524, 59.3444



39.7229, 34.4483, 99.1633



32.4007, 26.7385, 59.3310



10.6727, 10.9858, 14.1283



7.0073, 3.0385, 36.1734



0.3871, 0.2080, 1.8747

Inverse Universe

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



36.1809, 29.4297, 25.9648



56.1138, 42.2730, 33.8159



41.6922, 52.4039, 27.9973



11.2481, 11.2280, 11.8413



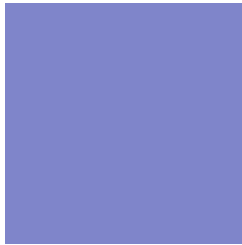
15.7479, 8.1097, 1.1249



0.8253, 0.4235, 0.1261

Previews

White Background



This preview shows how the XYZ color 27.8006, 25.5514, 59.3438 looks on a white background.

Color Contrast Check

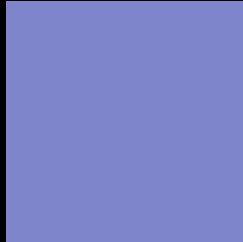
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8006, 25.5514, 59.3438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

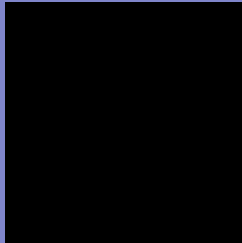
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.8006, 25.5514, 59.3438

Background



This preview shows how black text looks on a background with the XYZ color 27.8006, 25.5514, 59.3438.



This preview shows how white text looks on a background with the XYZ color 27.8006, 25.5514,

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

27.8006, 25.5514, 59.3438

Protanopia

26.7735, 25.6128, 60.6594

Deuteranopia

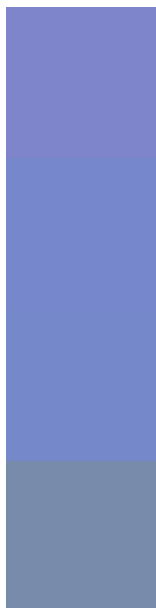
26.1704, 25.5531, 58.8113



Tritanopia

22.8577, 25.6910, 34.3260

Trichromacy



Original Color

27.8006, 25.5514, 59.3438

Protanomaly

27.0512, 25.5617, 60.0081

Deuteranomaly

26.6829, 25.6073, 58.7947

Tritanomaly

24.3290, 25.3986, 42.1482

Monochromacy



Original Color

27.8006, 25.5514, 59.3438

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

25.4589, 25.6509, 37.7917

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8006, 25.5514, 59.3438 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(127, 133, 202)` looks like.

```
.text, #text, p{  
    color:rgb(127, 133, 202)  
}
```

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(127, 133, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 133, 202) }
```

Border

The CSS property to change the border of an element to XYZ 27.8006, 25.5514, 59.3438 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(127, 133, 202) }
```


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

```
.border{ border-color:rgb(127, 133, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 133, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 133, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 133, 202);  
box-shadow:4px 4px 4px 4px rgb(127, 133,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8006, 25.5514, 59.3438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 133, 202) }
```

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

```
.background{ background-color: rgb(127,  
133, 202) }
```

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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