

Converting Colors

XYZ(35.1304, 27.5188, 87.4807)

Have a look what the booklet for
XYZ(35.1304, 27.5188, 87.4807)
contains.

XYZ(35.1180, 27.5188, 87.4651)	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(35.1180, 27.5188,
87.4651)**

Conversions

Conversions Part 1

Format	Color
Hex	907FF2
RGB	144, 127, 242
RGB Percent	56%, 50%, 95%
CMY	0.4353, 0.5020, 0.0510
CMYK	0.40, 0.48, 0.00, 0.05
HSL	249°, 82%, 72%
HSV	249°, 48%, 95%
XYZ	35.1180, 27.5188, 87.4651
YIQ	145.1930, -26.7830, 39.3690

Conversions

Conversions Part 2

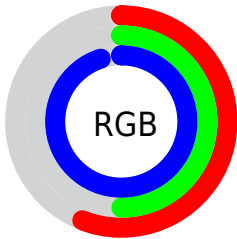
Format	Color
R_{YB}	144, 127, 242
Decimal	9469938
CIE _{Lab}	59.45, 33.56, -55.83
CIE _{LCh}	59, 65.141, 301.013
Yxy	27.5188, 0.2340, 0.1833
Android (android.graphics.Color)	4287660018 (0xFF907FF2)
YUV	145.1930, 47.7259, -1.0463
Hunter-Lab	52.4584, 27.6938, -62.1348

Details

The XYZ color **35.1180, 27.5188, 87.4651** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **66.6339, 81.0442, 32.2104**, and the grayscale version is **26.8129, 28.2092, 30.7199**.

A 20% lighter version of the original color is **58.7284, 52.4191, 101.6303**, and **15.4118, 10.9778, 47.2056** is the 20% darker color. If you saturate the color by 10%, you get **29.0809, 20.3112, 86.3926**, and if you desaturate by 10%, it is **42.5657, 36.5685, 88.8199**.

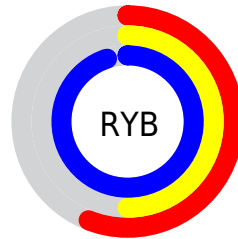
Distribution



Red (56%)

Green (50%)

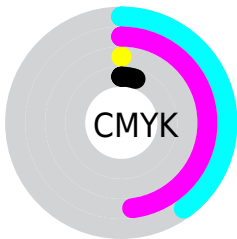
Blue (95%)



Red (56%)

Yellow (50%)

Blue (95%)

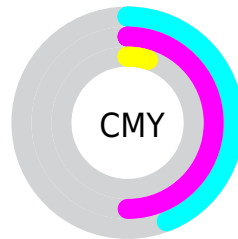


Cyan (40%)

Magenta (48%)

Yellow (0%)

Black (5%)



Cyan (44%)

Magenta (50%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.1180, 27.5188, 87.4651 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 35.1180, 27.5188, 87.4651 by changing the saturation by 10% instead.

35.1180, 27.5188,
87.4651

35.1180, 27.5188,
87.4651

316.5878,
290.1604, 540.1058

23.9207, 17.9632,
65.3183

67.0013, 55.7153,
145.7168

15.3992, 10.9236,
47.2663

88.4181, 75.1249,
182.6589

9.1882, 6.0155,
32.8904

113.9721, 98.5881,
225.3698

4.9222, 2.8545,
21.7720

144.0287,
126.4892, 274.2680

2.2360, 1.0562,
13.4928

178.9532,
159.2126, 329.7722

0.7616, 0.0000,
7.6340

219.1110,

0.0000, 0.0000,

197.1426, 392.3009

3.7773

264.8674,
240.6638, 462.2726

■ 0.0000, 0.0000,
1.5040

■ 0.0000, 0.0000,
0.2209

■ 35.1180, 27.5188,
87.4651

■ 35.1180, 27.5188,
87.4651

■ 29.0809, 20.3112,
86.3926

■ 42.5657, 36.5685,
88.8199

■ 24.3605, 14.8149,
85.5805

■ 51.5031, 47.5727,
90.4729

■ 20.8568, 10.8868,
85.0070

■ 62.0071, 60.6386,
92.4412

■ 18.4529, 8.3582,
84.6456

■ 74.1484, 75.8644,
94.7402

■ 17.0025, 7.0104,
84.4619

■ 87.9935, 93.3420,
97.3840

■ 16.7470, 6.7820,
84.4313

■ 93.0271, 99.1908,
98.2476

Harmonies

Analogous

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



26.4346, 27.5188, 101.2607



35.1180, 27.5188, 87.4651



42.4531, 27.5188, 57.4981

Triad

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



35.1180, 27.5188, 87.4651



34.5356, 27.5188, 5.3182



13.3784, 27.5188, 30.7660

Complementary

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



35.1180, 27.5188, 87.4651



66.6339, 81.0442, 32.2104

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.



14.6759, 27.5188, 13.0152



35.1180, 27.5188, 87.4651



25.8790, 27.5188, 3.7305

Square

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



35.1180, 27.5188, 87.4651



42.0706, 27.5188, 12.2407



18.8650, 27.5188, 5.5735



14.8657, 27.5188, 59.6526

Rectangle

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



35.1180, 27.5188, 87.4651



44.9534, 27.5188, 37.5591



18.8650, 27.5188, 5.5735



13.5006, 27.5188, 23.4675

Sweetspot

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



35.1191, 27.5198, 87.4658



74.3799, 73.9796, 104.9670



52.1580, 65.6794, 93.9333



15.3098, 15.0705, 22.3519



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.



35.1191, 27.5198, 87.4658



32.9701, 23.1330, 97.3351



47.3919, 33.8466, 88.0401



15.1147, 15.3409, 19.8861



9.0657, 3.6789, 45.3602



0.8201, 0.3400, 3.7766

Inverse Universe

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



57.7981, 39.4927, 75.8092



61.5592, 38.2488, 81.6113



51.9815, 73.4906, 31.5247



16.3479, 15.9889, 19.3884



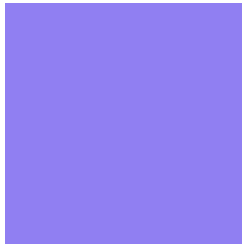
25.7108, 12.5567, 32.7232



2.1660, 1.0554, 2.8649

Previews

White Background



This preview shows how the XYZ color 35.1180, 27.5188, 87.4651 looks on a white background.

Color Contrast Check

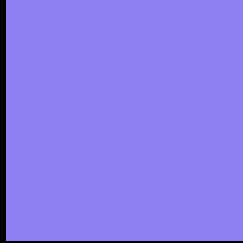
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.1180, 27.5188, 87.4651 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

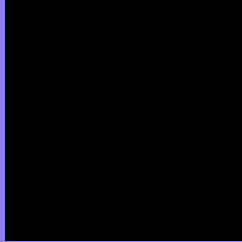
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.1180, 27.5188, 87.4651

Background



This preview shows how black text looks on a background with the XYZ color 35.1180, 27.5188, 87.4651.



This preview shows how white text looks on a background with the XYZ color 35.1180, 27.5188,

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

35.1180, 27.5188, 87.4651

Protanopia

31.2418, 27.7448, 97.4746

Deuteranopia

28.6303, 27.7818, 84.7424



Tritanopia

24.9175, 27.6211, 36.3659

Trichromacy



Original Color

35.1180, 27.5188, 87.4651

Protanomaly

32.2260, 27.4813, 94.0484

Deuteranomaly

30.2620, 27.2925, 85.3344

Tritanomaly

27.9235, 27.2556, 51.9332

Monochromacy



Original Color

35.1180, 27.5188, 87.4651

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

29.0038, 27.4920, 46.9578

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.1180, 27.5188, 87.4651 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(144, 127, 242)` looks like.

```
.text, #text, p{  
    color:rgb(144, 127, 242)  
}
```

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(144, 127, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 127, 242) }
```

Border

The CSS property to change the border of an element to XYZ 35.1180, 27.5188, 87.4651 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(144, 127, 242) }
```


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

```
.border{ border-color:rgb(144, 127, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 127, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 127, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 127, 242);  
box-shadow:4px 4px 4px 4px rgb(144, 127,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 35.1180, 27.5188, 87.4651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 127, 242) }
```

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

```
.background{ background-color: rgb(144,  
127, 242) }
```

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