

Converting Colors

XYZ(35.5102, 32.9544, 80.0168)

Have a look what the booklet for
XYZ(35.5102, 32.9544, 80.0168)
contains.

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Color

**XYZ(35.6438, 33.1370,
80.1188)**

Conversions

Conversions Part 1

Format	Color
Hex	8897E7
RGB	136, 151, 231
RGB Percent	53%, 59%, 91%
CMY	0.4666, 0.4078, 0.0941
CMYK	0.41, 0.35, 0.00, 0.09
HSL	231°, 66%, 72%
HSV	231°, 41%, 91%
XYZ	35.6438, 33.1370, 80.1188
YIQ	155.6350, -34.6200, 21.7000

Conversions

Conversions Part 2

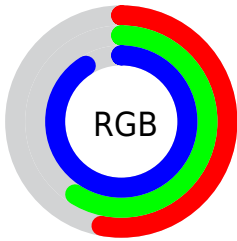
Format	Color
R _Y B	136, 149, 231
Decimal	8951783
CIE Lab	64.27, 14.57, -42.16
CIE LCh	64, 44.606, 289.062
Yxy	33.1370, 0.2394, 0.2225
Android (android.graphics.Color)	4287141863 (0xFF8897E7)
YUV	155.6350, 37.1549, -17.2199
Hunter-Lab	57.5647, 9.7880, -42.2247

Details

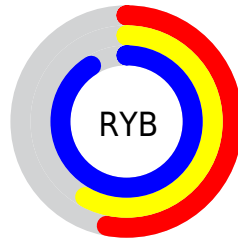
The XYZ color **35.6438, 33.1370, 80.1188** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **61.9561, 67.8799, 33.1309**, and the grayscale version is **31.2895, 32.9190, 35.8488**.

A 20% lighter version of the original color is **61.6195, 62.0891, 103.3444**, and **15.6884, 13.9588, 42.4249** is the 20% darker color. If you saturate the color by 10%, you get **29.4120, 25.6545, 79.0036**, and if you desaturate by 10%, it is **43.2030, 42.0717, 81.4456**.

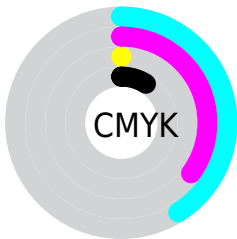
Distribution



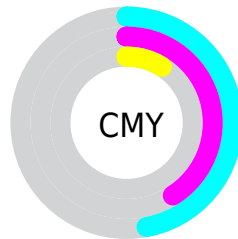
- Red (53%)
- Green (59%)
- Blue (91%)



- Red (53%)
- Yellow (58%)
- Blue (91%)



- Cyan (41%)
- Magenta (35%)
- Yellow (0%)
- Black (9%)



- Cyan (47%)
- Magenta (41%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6438, 33.1370, 80.1188 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 35.6438, 33.1370, 80.1188 by changing the saturation by 10% instead.

■ 35.6438, 33.1370,
80.1188

■ 35.6438, 33.1370,
80.1188

318.8594,
316.2666, 515.0504

■ 24.3281, 22.2314,
59.2894

■ 67.8094, 64.5894,
135.3457

■ 15.7032, 14.0270,
42.4246

■ 89.3900, 85.9049,
170.5802

■ 9.4039, 8.1395,
29.1058

■ 115.1228,
111.4593, 211.4534

■ 5.0648, 4.1843,
18.9146

145.3734,
141.6368, 258.3841

■ 2.3205, 1.7772,
11.4324

180.5070,
176.8219, 311.7905

■ 0.8051, 0.4729,
6.2407

220.8889,

■ 0.0000, 0.0000,

217.3990, 372.0914

2.9208

266.8846,
263.7524, 439.7052

■ 0.0000, 0.0000,
1.0543

■ 0.0000, 0.0000,
0.0000

■ 35.6438, 33.1370,
80.1188

■ 35.6438, 33.1370,
80.1188

■ 29.4120, 25.6545,
79.0036

■ 43.2030, 42.0717,
81.4456

■ 24.4262, 19.5431,
78.0868

■ 52.1574, 52.5269,
82.9917

■ 20.6016, 14.7187,
77.3571

■ 62.5742, 64.5707,
84.7673

■ 17.8408, 11.0865,
76.8016

■ 74.5155, 78.2659,
86.7814

■ 16.0298, 8.5376,
76.4050

■ 88.0395, 93.6722,
89.0423

■ 15.0691, 7.0600,
76.1705

■ 91.4239, 98.5496,
89.8054

Harmonies

Analogous

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



29.2403, 33.1370, 82.3156



35.6438, 33.1370, 80.1188



41.6229, 33.1370, 64.1073

Triad

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



35.6438, 33.1370, 80.1188



40.1708, 33.1370, 15.6225



20.9857, 33.1370, 29.8573

Complementary

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



35.6438, 33.1370, 80.1188



61.9561, 67.8799, 33.1309

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.



23.1608, 33.1370, 17.7090



35.6438, 33.1370, 80.1188



33.8642, 33.1370, 11.5237

Square

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



35.6438, 33.1370, 80.1188



44.4691, 33.1370, 25.8444



27.6826, 33.1370, 12.1317



21.3283, 33.1370, 48.7152

Rectangle

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



35.6438, 33.1370, 80.1188



44.2975, 33.1370, 50.0388



27.6826, 33.1370, 12.1317



21.4337, 33.1370, 24.9942

Sweetspot

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



35.6450, 33.1382, 80.1196



76.9979, 79.2979, 105.8555



51.0176, 67.3019, 74.7050



16.0963, 16.5299, 22.5922



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.



35.6450, 33.1382, 80.1196



38.1344, 33.7114, 99.1048



39.3070, 31.6678, 79.6428



13.7657, 14.2527, 18.1699



8.5058, 4.0736, 42.7212



0.6849, 0.4138, 3.1757

Inverse Universe

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



47.3462, 36.8331, 33.8933



54.7164, 39.4334, 33.4877



56.6627, 71.1181, 34.0349



14.4693, 14.4049, 15.4058



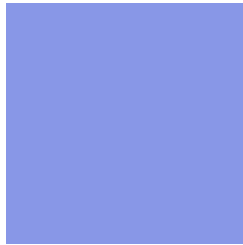
18.6868, 9.6089, 1.9799



1.4094, 0.7215, 0.2962

Previews

White Background



This preview shows how the XYZ color 35.6438, 33.1370, 80.1188 looks on a white background.

Color Contrast Check

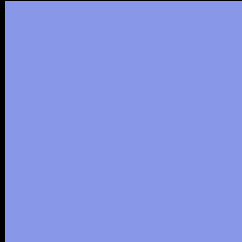
Large Text (above 18pt) WCAG AA × Fail

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 35.6438, 33.1370, 80.1188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

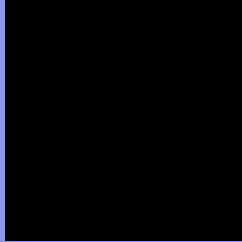
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.6438, 33.1370, 80.1188

Background



This preview shows how black text looks on a background with the XYZ color 35.6438, 33.1370, 80.1188.



This preview shows how white text looks on a background with the XYZ color 35.6438, 33.1370,

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

35.6438, 33.1370, 80.1188

Protanopia

35.0013, 33.2549, 81.6649

Deuteranopia

34.1727, 33.3668, 79.5023



Tritanopia

28.6842, 33.0734, 45.4294

Trichromacy



Original Color

35.6438, 33.1370, 80.1188

Protanomaly

35.1538, 33.1080, 80.8816

Deuteranomaly

34.7406, 33.4136, 79.4813

Tritanomaly

30.8296, 32.9059, 56.3563

Monochromacy



Original Color

35.6438, 33.1370, 80.1188

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

32.4973, 32.9197, 49.4411

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6438, 33.1370, 80.1188 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(136, 151, 231)` looks like.

```
.text, #text, p{  
    color:rgb(136, 151, 231)  
}
```

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(136, 151, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 151, 231) }
```

Border

The CSS property to change the border of an element to XYZ 35.6438, 33.1370, 80.1188 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(136, 151, 231) }
```


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

```
.border{ border-color:rgb(136, 151, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 151, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 151, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 151, 231);  
box-shadow:4px 4px 4px 4px rgb(136, 151,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6438, 33.1370, 80.1188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 151, 231) }
```

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

```
.background{ background-color: rgb(136,  
151, 231) }
```

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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