

Converting Colors

XYZ(35.7730, 31.4010, 88.9160)

Have a look what the booklet for
XYZ(35.7730, 31.4010, 88.9160)
contains.

XYZ(35.8238, 31.4041, 88.9675)	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(35.8238, 31.4041,
88.9675)**

Conversions

Conversions Part 1

Format	Color
Hex	8590F3
RGB	133, 144, 243
RGB Percent	52%, 56%, 95%
CMY	0.4784, 0.4353, 0.0471
CMYK	0.45, 0.41, 0.00, 0.05
HSL	234°, 82%, 74%
HSV	234°, 45%, 95%
XYZ	35.8238, 31.4041, 88.9675
YIQ	151.9970, -38.3350, 28.4570

Conversions

Conversions Part 2

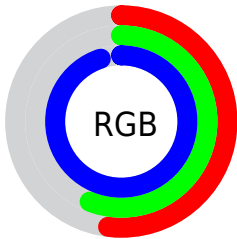
Format	Color
R _Y B	133, 143, 243
Decimal	8753395
CIE Lab	62.85, 21.31, -51.03
CIE LCh	63, 55.305, 292.667
Yxy	31.4041, 0.2294, 0.2011
Android (android.graphics.Color)	4286943475 (0xFF8590F3)
YUV	151.9970, 44.8645, -16.6604
Hunter-Lab	56.0394, 16.0393, -54.9006

Details

The XYZ color **35.8238, 31.4041, 88.9675** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **70.0541, 78.4639, 33.6450**, and the grayscale version is **29.6693, 31.2144, 33.9925**.

A 20% lighter version of the original color is **59.7299, 58.6845, 102.7869**, and **15.7673, 13.0464, 48.1416** is the 20% darker color. If you saturate the color by 10%, you get **29.4239, 23.6550, 87.8097**, and if you desaturate by 10%, it is **43.7551, 40.8961, 90.3822**.

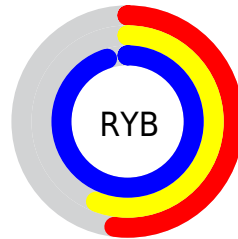
Distribution



Red (52%)

Green (56%)

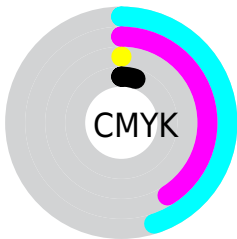
Blue (95%)



Red (52%)

Yellow (56%)

Blue (95%)

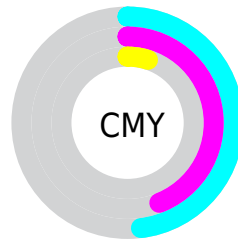


Cyan (45%)

Magenta (41%)

Yellow (0%)

Black (5%)



Cyan (48%)

Magenta (44%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.8238, 31.4041, 88.9675 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 35.8238, 31.4041, 88.9675 by changing the saturation by 10% instead.

■ 35.8238, 31.4041,
88.9675

■ 35.8238, 31.4041,
88.9675

319.6344,
308.3957, 545.1496

■ 24.4676, 20.9068,
66.5557

■ 68.0857, 61.8757,
147.8263

■ 15.8075, 13.0559,
48.2643

■ 89.7221, 82.6188,
185.1105

■ 9.4780, 7.4670,
33.6748

■ 115.5159,
107.5459, 228.1892

■ 5.1138, 3.7558,
22.3685

145.8326,
137.0414, 277.4809

■ 2.3497, 1.5379,
13.9271

181.0374,
171.4898, 333.4043

■ 0.8199, 0.3152,
7.9318

221.4958,

■ 0.0000, 0.0000,

211.2754, 396.3779

3.9642

267.5730,
256.7825, 466.8201

■ 0.0000, 0.0000,
1.6057

■ 0.0000, 0.0000,
0.2949

■ 35.8238, 31.4041,
88.9675

■ 35.8238, 31.4041,
88.9675

■ 29.4239, 23.6550,
87.8097

■ 43.7551, 40.8961,
90.3822

■ 24.4525, 17.5391,
86.8912

■ 53.3045, 52.2251,
92.0656

■ 20.7998, 12.9394,
86.1959

■ 64.5565, 65.4822,
94.0315

■ 18.3380, 9.7216,
85.7046

■ 77.5887, 80.7516,
96.2919

■ 16.9133, 7.7272,
85.3947

■ 92.4737, 98.1126,
98.8584

■ 16.5105, 7.1366,
85.3019

■ 93.1778, 99.2511,
99.0410

Harmonies

Analogous

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



28.0272, 31.4041, 94.5319



35.8238, 31.4041, 88.9675



42.9988, 31.4041, 66.2593

Triad

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



35.8238, 31.4041, 88.9675



39.5863, 31.4041, 10.5876



17.6033, 31.4041, 29.1392

Complementary

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



35.8238, 31.4041, 88.9675



70.0541, 78.4639, 33.6450

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.



19.6968, 31.4041, 14.6159



35.8238, 31.4041, 88.9675



31.7474, 31.4041, 7.2576

Square

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



35.8238, 31.4041, 88.9675



45.4149, 31.4041, 20.5007



24.5778, 31.4041, 8.3321



18.3205, 31.4041, 52.9297

Rectangle

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



35.8238, 31.4041, 88.9675



46.0313, 31.4041, 48.1944



24.5778, 31.4041, 8.3321



17.9875, 31.4041, 23.2068

Sweetspot

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



35.8250, 31.4052, 88.9683



73.7065, 75.0321, 105.2056



56.2902, 74.9149, 87.8381



15.1482, 15.3223, 22.4090



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.



35.8250, 31.4052, 88.9683



33.5517, 27.2732, 98.1036



42.6983, 32.5951, 88.8357



15.7144, 16.1931, 20.8399



9.1052, 4.0042, 46.8310



0.8440, 0.4394, 4.1306

Inverse Universe

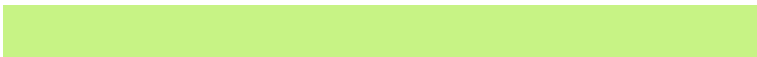
The Inverse Universe completely reimagines the original color for something new.



50.3849, 37.8450, 31.0356



51.7376, 35.6931, 25.6590



59.8387, 77.9377, 34.0818



16.5664, 16.5094, 17.4634



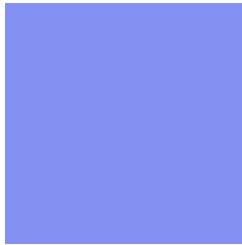
20.4004, 10.5036, 1.5510



1.8151, 0.9320, 0.2526

Previews

White Background



This preview shows how the XYZ color 35.8238, 31.4041, 88.9675 looks on a white background.

Color Contrast Check

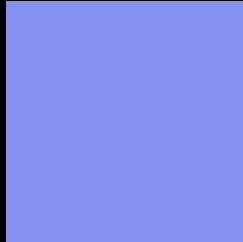
Large Text (above 18pt) WCAG AA × Fail

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 35.8238, 31.4041, 88.9675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

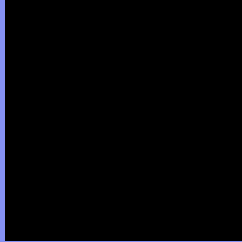
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.8238, 31.4041, 88.9675

Background



This preview shows how black text looks on a background with the XYZ color 35.8238, 31.4041, 88.9675.



This preview shows how white text looks on a background with the XYZ color 35.8238, 31.4041,

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

35.8238, 31.4041, 88.9675

Protanopia

34.1885, 31.4059, 92.2557

Deuteranopia

32.4722, 31.5740, 87.6020



Tritanopia

26.6546, 31.2855, 43.6636

Trichromacy



Original Color

35.8238, 31.4041, 88.9675

Protanomaly

34.8140, 31.5143, 91.4368

Deuteranomaly

33.5845, 31.4164, 88.2983

Tritanomaly

29.4944, 31.1815, 57.8902

Monochromacy



Original Color

35.8238, 31.4041, 88.9675

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

31.1815, 31.0174, 50.2425

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8238, 31.4041, 88.9675 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(133, 144, 243)` looks like.

```
.text, #text, p{  
    color:rgb(133, 144, 243)  
}
```

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(133, 144, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 144, 243) }
```

Border

The CSS property to change the border of an element to XYZ 35.8238, 31.4041, 88.9675 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(133, 144, 243) }
```


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

```
.border{ border-color:rgb(133, 144, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 144, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 144, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 144, 243);  
box-shadow:4px 4px 4px 4px rgb(133, 144,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8238, 31.4041, 88.9675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 144, 243) }
```

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

```
.background{ background-color: rgb(133,  
144, 243) }
```

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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