

Converting Colors

XYZ(36.8940, 39.2096,
100.2309)

Have a look what the booklet for
XYZ(36.8940, 39.2096, 100.2309)
contains.

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Color

**XYZ(36.8313, 39.0856,
100.2108)**

Conversions

Conversions Part 1

Format	Color
Hex	56ADFF
RGB	86, 173, 255
RGB Percent	34%, 68%, 100%
CMY	0.6627, 0.3216, 0.0000
CMYK	0.66, 0.32, 0.00, 0.00
HSL	209°, 100%, 67%
HSV	209°, 66%, 100%
XYZ	36.8313, 39.0856, 100.2108
YIQ	156.3350, -78.1740, 7.0580

Conversions

Conversions Part 2

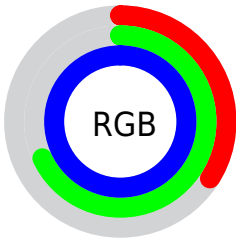
Format	Color
R _Y B	86, 143, 255
Decimal	5680639
CIE Lab	68.81, -1.05, -48.31
CIE LCh	69, 48.324, 268.758
Yxy	39.0856, 0.2091, 0.2219
Android (android.graphics.Color)	4283870719 (0xFF56ADFF)
YUV	156.3350, 48.6418, -61.6838
Hunter-Lab	62.5185, -4.2482, -51.2729

Details

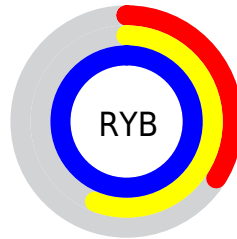
The XYZ color **36.8313, 39.0856, 100.2108** is a light color, and the websafe version is hex **0099FF**. The color can be described as light muted azure. A complement of this color would be **56.9241, 49.9400, 15.4453**, and the grayscale version is **31.5657, 33.2096, 36.1652**.

A 20% lighter version of the original color is **58.3711, 69.1908, 104.8864**, and **17.0304, 17.7520, 55.9550** is the 20% darker color. If you saturate the color by 10%, you get **32.6245, 33.5569, 99.3654**, and if you desaturate by 10%, it is **42.0974, 45.4878, 101.1690**.

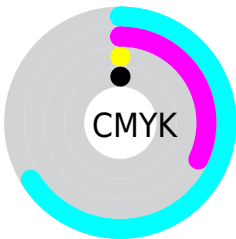
Distribution



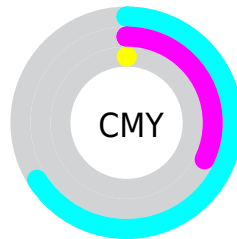
- Red (34%)
- Green (68%)
- Blue (100%)



- Red (34%)
- Yellow (56%)
- Blue (100%)



- Cyan (66%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)



- Cyan (66%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8313, 39.0856, 100.2108 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 36.8313, 39.0856, 100.2108 by changing the saturation by 10% instead.

■ 36.8313, 39.0856,
100.2108

■ 36.8313, 39.0856,
100.2108

323.9478,
342.2543, 582.1208

■ 25.2500, 26.8263,
75.8587

■ 69.6288, 73.7691,
163.5012

■ 16.3931, 17.4428,
55.8107

■ 91.5756, 96.9621,
203.2767

■ 9.8954, 10.5507,
39.6482

■ 117.7084,
124.5684, 249.0304

■ 5.3914, 5.7656,
26.9527

■ 148.3923,
156.9725, 301.1808

■ 2.5158, 2.7031,
17.3056

183.9929,
194.5587, 360.1465

■ 0.9032, 0.9788,
10.2883

224.8754,

■ 0.0000, 0.0000,

237.7115, 426.3460

5.4824

271.4053,
286.8152, 500.1979

■ 0.0000, 0.0000,
2.4694

■ 0.0000, 0.0000,
0.8239

■ 36.8313, 39.0856,
100.2108

■ 36.8313, 39.0856,
100.2108

■ 32.6245, 33.5569,
99.3654

■ 42.0974, 45.4878,
101.1690

■ 29.3735, 28.8377,
98.6258

■ 48.5047, 52.8124,
102.2451

■ 26.9567, 24.8567,
97.9848

■ 56.1306, 61.1081,
103.4444

■ 26.2024, 23.5248,
97.7675

■ 65.0443, 70.4183,
104.7716

■ 75.3091, 80.7835,
106.2313

■ 86.9844, 92.2415,
107.8276

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



30.0207, 39.0856, 89.7832



36.8313, 39.0856, 100.2108



44.6978, 39.0856, 91.2959

Triad

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



36.8313, 39.0856, 100.2108



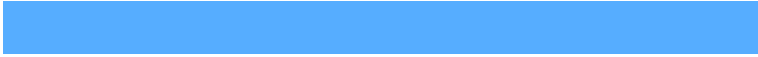
51.6192, 39.0856, 25.3149



25.9238, 39.0856, 24.2111

Complementary

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



36.8313, 39.0856, 100.2108



56.9241, 49.9400, 15.4453

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.



30.5031, 39.0856, 15.2506



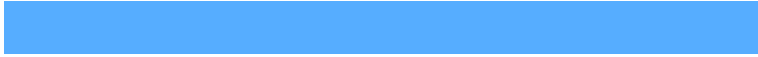
36.8313, 39.0856, 100.2108



45.3264, 39.0856, 15.7166

Square

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



36.8313, 39.0856, 100.2108



53.9106, 39.0856, 43.4786



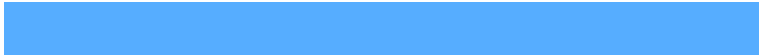
37.4699, 39.0856, 12.7774



24.2817, 39.0856, 41.6496

Rectangle

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



36.8313, 39.0856, 100.2108



49.3648, 39.0856, 76.8717



37.4699, 39.0856, 12.7774



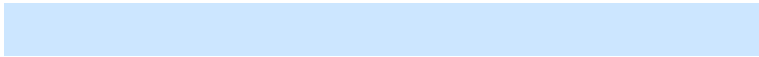
27.1367, 39.0856, 20.3626

Sweetspot

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



36.8326, 39.0869, 100.2110



71.3193, 76.7923, 105.6712



46.6375, 76.3144, 49.1658



14.6490, 15.8141, 22.5303



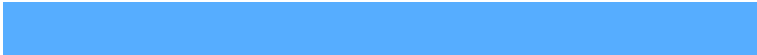
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.8326, 39.0869, 100.2110



31.3062, 31.7057, 99.0775



25.4465, 16.3147, 96.4156



17.7764, 18.9243, 22.9658



13.8416, 12.5927, 51.1357



1.4571, 1.4449, 5.0154

Inverse Universe

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



52.1116, 30.9343, 42.7606



48.4258, 26.0285, 33.9307



77.7882, 91.6682, 22.4000



18.3998, 18.1432, 20.7223



23.7748, 11.9992, 12.7303



2.3701, 1.1904, 1.5303

Previews

White Background



This preview shows how the XYZ color 36.8313, 39.0856, 100.2108 looks on a white background.

Color Contrast Check

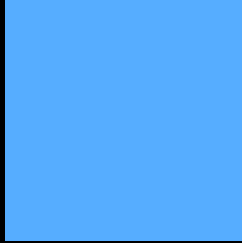
Large Text (above 18pt) WCAG AA × Fail

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 36.8313, 39.0856, 100.2108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

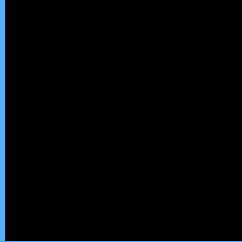
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

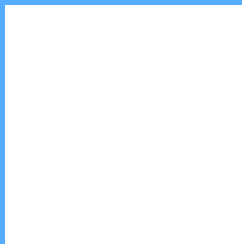
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.8313, 39.0856, 100.2108

Background



This preview shows how black text looks on a background with the XYZ color 36.8313, 39.0856, 100.2108.



This preview shows how white text looks on a background with the XYZ color 36.8313, 39.0856,

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

36.8313, 39.0856, 100.2108

Protanopia

40.7114, 38.7553, 93.3305

Deuteranopia

39.8546, 38.7034, 99.9777



Tritanopia

28.8655, 39.1346, 60.0652

Trichromacy



Original Color

36.8313, 39.0856, 100.2108

Protanomaly

38.8198, 38.5326, 95.8340

Deuteranomaly

38.6684, 38.9109, 100.0803

Tritanomaly

31.2218, 38.8470, 72.8705

Monochromacy



Original Color

36.8313, 39.0856, 100.2108

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.7948, 34.4717, 54.8471

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8313, 39.0856, 100.2108 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(86, 173, 255)` looks like.

```
.text, #text, p{  
    color:rgb(86, 173, 255)  
}
```

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(86, 173, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 173, 255) }
```

Border

The CSS property to change the border of an element to XYZ 36.8313, 39.0856, 100.2108 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(86, 173, 255) }
```


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

```
.border{ border-color:rgb(86, 173, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 173, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 173, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 173, 255);  
box-shadow:4px 4px 4px 4px rgb(86, 173,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8313, 39.0856, 100.2108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 173, 255) }
```

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

```
.background{ background-color: rgb(86, 173,  
255) }
```

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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