

Converting Colors

XYZ(35.8025, 39.8498,
100.4125)

Have a look what the booklet for
XYZ(35.8025, 39.8498, 100.4125)
contains.

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Color

**XYZ(35.6966, 39.6564,
100.3808)**

Conversions

Conversions Part 1

Format	Color
Hex	3DB1FF
RGB	61, 177, 255
RGB Percent	24%, 69%, 100%
CMY	0.7607, 0.3059, 0.0000
CMYK	0.76, 0.31, 0.00, 0.00
HSL	204°, 100%, 62%
HSV	204°, 76%, 100%
XYZ	35.6966, 39.6564, 100.3808
YIQ	151.2080, -94.1740, -0.3340

Conversions

Conversions Part 2

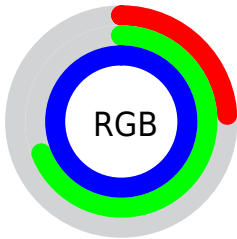
Format	Color
R _Y B	61, 134, 255
Decimal	4043263
CIE Lab	69.22, -6.60, -47.71
CIE LCh	69, 48.169, 262.124
Yxy	39.6564, 0.2031, 0.2257
Android (android.graphics.Color)	4282233343 (0xFF3DB1FF)
YUV	151.2080, 51.1695, -79.1124
Hunter-Lab	62.9733, -9.0201, -50.4282

Details

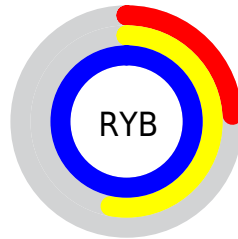
The XYZ color **35.6966, 39.6564, 100.3808** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **51.3172, 40.0660, 9.4458**, and the grayscale version is **29.3234, 30.8505, 33.5962**.

A 20% lighter version of the original color is **56.5795, 69.9198, 105.1216**, and **17.5267, 18.7444, 56.1204** is the 20% darker color. If you saturate the color by 10%, you get **32.5335, 35.1319, 99.6742**, and if you desaturate by 10%, it is **39.7598, 44.8720, 101.1733**.

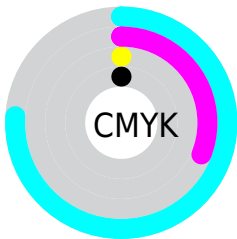
Distribution



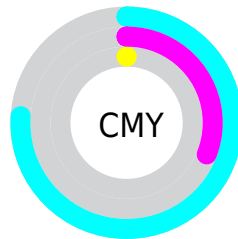
- Red (24%)
- Green (69%)
- Blue (100%)



- Red (24%)
- Yellow (53%)
- Blue (100%)



- Cyan (76%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (76%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6966, 39.6564, 100.3808 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 35.6966, 39.6564, 100.3808 by changing the saturation by 10% instead.

■ 35.6966, 39.6564,
100.3808

■ 35.6966, 39.6564,
100.3808

319.0869,
344.6732, 582.6700

■ 24.3690, 27.2707,
75.9999

■ 67.8905, 74.6400,
163.7368

■ 15.7338, 17.7767,
55.9258

■ 89.4874, 98.0068,
203.5491

■ 9.4256, 10.7898,
39.7398

■ 115.2382,
125.8026, 249.3422

■ 5.0791, 5.9256,
27.0235

■ 145.5082,
158.4121, 301.5348

■ 2.3290, 2.7999,
17.3583

180.6626,
196.2195, 360.5453

■ 0.8094, 1.0282,
10.3256

221.0670,

■ 0.0000, 0.0000,

239.6092, 426.7923

5.5070

267.0867,
288.9656, 500.6943

■ 0.0000, 0.0000,
2.4838

■ 0.0000, 0.0000,
0.8315

■ 35.6966, 39.6564,
100.3808

■ 35.6966, 39.6564,
100.3808

■ 32.5335, 35.1319,
99.6742

■ 39.7598, 44.8720,
101.1733

■ 30.1472, 31.2283,
99.0465

■ 44.8158, 50.8294,
102.0568

■ 29.3545, 29.8291,
98.8182

■ 50.9488, 57.5774,
103.0360

■ 58.2324, 65.1584,
104.1154

■ 66.7331, 73.6110,
105.2989

■ 76.5122, 82.9710,
106.5901

■ 87.6264, 93.2720,
107.9926

■ 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.



29.3020, 39.6564, 86.1193



35.6966, 39.6564, 100.3808



43.5566, 39.6564, 95.6727

Triad

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



35.6966, 39.6564, 100.3808



53.1640, 39.6564, 29.0798



27.1580, 39.6564, 22.0028

Complementary

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



35.6966, 39.6564, 100.3808



51.3172, 40.0660, 9.4458

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.



32.3794, 39.6564, 14.5780



35.6966, 39.6564, 100.3808



47.5482, 39.6564, 17.5854

Square

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



35.6966, 39.6564, 100.3808



54.3701, 39.6564, 49.2637



39.7609, 39.6564, 13.2958



24.8299, 39.6564, 37.6173

Rectangle

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



35.6966, 39.6564, 100.3808



48.5378, 39.6564, 82.9538



39.7609, 39.6564, 13.2958



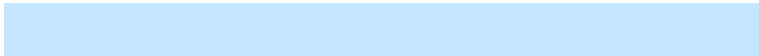
28.5961, 39.6564, 18.7204

Sweetspot

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



35.6979, 39.6577, 100.3810



69.5991, 76.3888, 105.6840



42.3170, 74.3652, 36.4001



14.1785, 15.6532, 22.5240



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.



35.6979, 39.6577, 100.3810



31.2692, 33.1356, 99.3555



22.8744, 14.0106, 96.1064



17.9063, 19.1842, 23.0091



15.4886, 15.8868, 51.6847



1.6152, 1.7611, 5.0681

Inverse Universe

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



50.8455, 27.7735, 44.2770



48.0401, 24.4687, 36.2322



71.9635, 81.3588, 16.3279



18.4654, 18.1695, 21.0677



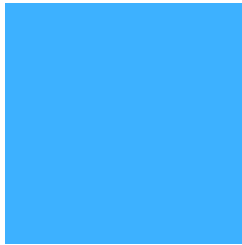
24.6061, 12.3317, 17.1082



2.4499, 1.2223, 1.9505

Previews

White Background



This preview shows how the XYZ color 35.6966, 39.6564, 100.3808 looks on a white background.

Color Contrast Check

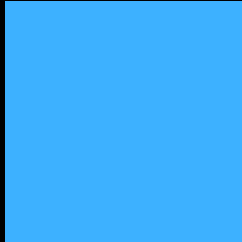
Large Text (above 18pt) WCAG AA × Fail

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 35.6966, 39.6564, 100.3808 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

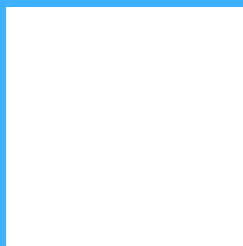
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.6966, 39.6564, 100.3808

Background



This preview shows how black text looks on a background with the XYZ color 35.6966, 39.6564, 100.3808.

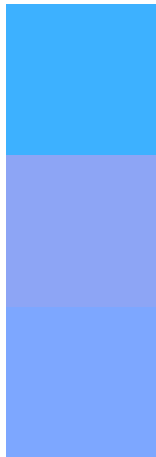


This preview shows how white text looks on a background with the XYZ color 35.6966, 39.6564,

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

35.6966, 39.6564, 100.3808

Protanopia

40.9211, 39.1656, 91.7891

Deuteranopia

40.3262, 39.2174, 100.0520



Tritanopia

28.1015, 39.3349, 61.3696

Trichromacy



Original Color

35.6966, 39.6564, 100.3808

Protanomaly

37.9689, 38.6602, 95.0835

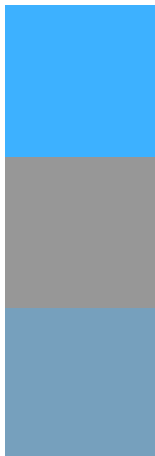
Deuteranomaly

38.0924, 39.1706, 100.1607

Tritanomaly

30.3155, 39.2580, 74.3864

Monochromacy



Original Color

35.6966, 39.6564, 100.3808

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.2273, 32.6673, 52.9091

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6966, 39.6564, 100.3808 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(61, 177, 255)` looks like.

```
.text, #text, p{  
    color:rgb(61, 177, 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(61, 177, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 177, 255) }
```

Border

The CSS property to change the border of an element to XYZ 35.6966, 39.6564, 100.3808 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(61, 177, 255) }
```


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

```
.border{ border-color:rgb(61, 177, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 177, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 177, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 177, 255);  
box-shadow:4px 4px 4px 4px rgb(61, 177,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6966, 39.6564, 100.3808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 177, 255) }
```

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

```
.background{ background-color: rgb(61, 177,  
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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