

Converting Colors

XYZ(34.9686, 39.0305,
100.2983)

Have a look what the booklet for
XYZ(34.9686, 39.0305, 100.2983)
contains.

XYZ(34.9406, 38.9745, 100.2890)	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(34.9406, 38.9745,
100.2890)**

Conversions

Conversions Part 1

Format	Color
Hex	33B0FF
RGB	51, 176, 255
RGB Percent	20%, 69%, 100%
CMY	0.7999, 0.3098, 0.0000
CMYK	0.80, 0.31, 0.00, 0.00
HSL	203°, 100%, 60%
HSV	203°, 80%, 100%
XYZ	34.9406, 38.9745, 100.2890
YIQ	147.6310, -99.8590, -1.9310

Conversions

Conversions Part 2

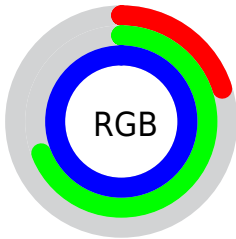
Format	Color
R _Y B	51, 129, 255
Decimal	3387647
CIE Lab	68.73, -7.05, -48.50
CIE LCh	69, 49.012, 261.732
Yxy	38.9745, 0.2006, 0.2237
Android (android.graphics.Color)	4281577727 (0xFF33B0FF)
YUV	147.6310, 52.9329, -84.7454
Hunter-Lab	62.4296, -9.3488, -51.5448

Details

The XYZ color **34.9406, 38.9745, 100.2890** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **49.8229, 37.4690, 7.7405**, and the grayscale version is **27.8142, 29.2627, 31.8671**.

A 20% lighter version of the original color is **55.5280, 68.9610, 104.9919**, and **17.4007, 18.4925, 56.0784** is the 20% darker color. If you saturate the color by 10%, you get **32.1230, 34.7517, 99.6224**, and if you desaturate by 10%, it is **38.6050, 43.8441, 101.0358**.

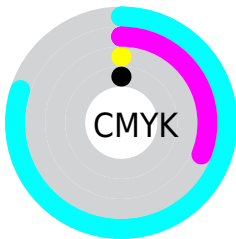
Distribution



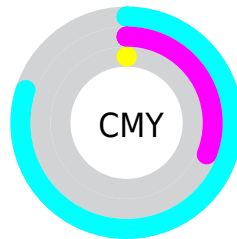
- Red (20%)
- Green (69%)
- Blue (100%)



- Red (20%)
- Yellow (51%)
- Blue (100%)



- Cyan (80%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.9406, 38.9745, 100.2890 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 34.9406, 38.9745, 100.2890 by changing the saturation by 10% instead.

■ 34.9406, 38.9745,
100.2890

■ 34.9406, 38.9745,
100.2890

315.8187,
341.7821, 582.3734

■ 23.7834, 26.7399,
75.9237

■ 66.7284, 73.5994,
163.6096

■ 15.2969, 17.3780,
55.8637

■ 88.0897, 96.7584,
203.4020

■ 9.1157, 10.5043,
39.6904

■ 113.5830,
124.3277, 249.1738

■ 4.8744, 5.7346,
26.9853

■ 143.5739,
156.6917, 301.3436

■ 2.2078, 2.6844,
17.3298

178.4275,
194.2347, 360.3299

■ 0.7468, 0.9693,
10.3055

218.5093,

■ 0.0000, 0.0000,

237.3412, 426.5513

5.4937

264.1845,
286.3955, 500.4263

■ 0.0000, 0.0000,
2.4760

■ 0.0000, 0.0000,
0.8274

■ 34.9406, 38.9745,
100.2890

■ 34.9406, 38.9745,
100.2890

■ 32.1230, 34.7517,
99.6224

■ 38.6050, 43.8441,
101.0358

■ 29.9808, 31.0812,
99.0269

■ 43.2160, 49.4145,
101.8680

■ 29.9793, 31.0786,
99.0264

■ 48.8620, 55.7362,
102.7906

■ 55.6196, 62.8525,
103.8080

■ 63.5576, 70.8028,
104.9242

■ 72.7388, 79.6234,
106.1429

■ 83.2213, 89.3481,
107.4674

■ 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.



28.5540, 38.9745, 85.5778



34.9406, 38.9745, 100.2890



42.8449, 38.9745, 95.7607

Triad

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



34.9406, 38.9745, 100.2890



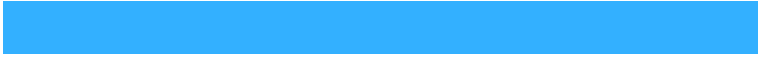
52.6962, 38.9745, 28.5054



26.5256, 38.9745, 21.0997

Complementary

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



34.9406, 38.9745, 100.2890



49.8229, 37.4690, 7.7405

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.



31.7920, 38.9745, 13.8415



34.9406, 38.9745, 100.2890



47.0695, 38.9745, 16.9605

Square

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



34.9406, 38.9745, 100.2890



53.8491, 38.9745, 48.8797



39.2304, 38.9745, 12.6494



24.1589, 38.9745, 36.5861

Rectangle

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



34.9406, 38.9745, 100.2890



47.8843, 38.9745, 82.9562



39.2304, 38.9745, 12.6494



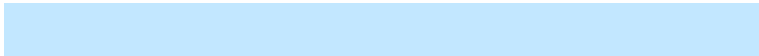
27.9774, 38.9745, 17.8770

Sweetspot

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



34.9419, 38.9757, 100.2892



68.9063, 75.9819, 105.6420



41.1027, 73.8149, 32.9241



14.0564, 15.5960, 22.5194



0.0000, 0.0000, 0.0000



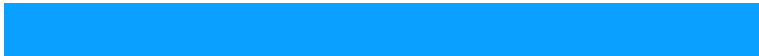
20.3446, 21.4041, 23.3091

Same Dimension

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



34.9419, 38.9757, 100.2892



30.7820, 32.4945, 99.2574



21.9199, 12.9317, 95.9485



17.9296, 19.2308, 23.0169



15.8141, 16.5377, 51.7932



1.6458, 1.8224, 5.0783

Inverse Universe

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



50.2613, 26.7640, 43.5922



47.7128, 24.0263, 35.4693



70.4705, 78.7643, 14.6230



18.4771, 18.1742, 21.1296



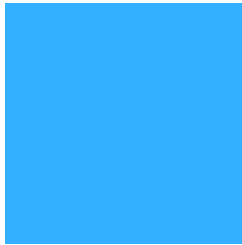
24.7704, 12.3975, 17.9733



2.4653, 1.2285, 2.0319

Previews

White Background



This preview shows how the XYZ color 34.9406, 38.9745, 100.2890 looks on a white background.

Color Contrast Check

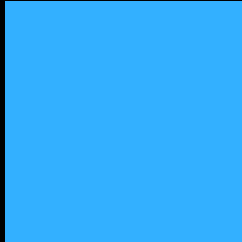
Large Text (above 18pt) WCAG AA × Fail

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 34.9406, 38.9745, 100.2890 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

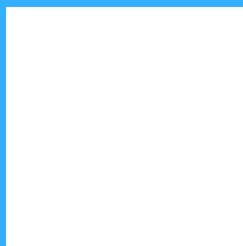
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.9406, 38.9745, 100.2890

Background



This preview shows how black text looks on a background with the XYZ color 34.9406, 38.9745, 100.2890.

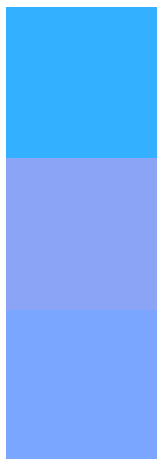


This preview shows how white text looks on a background with the XYZ color 34.9406, 38.9745,

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

34.9406, 38.9745, 100.2890

Protanopia

40.4044, 38.6325, 91.7135

Deuteranopia

39.7123, 38.6300, 99.9710



Tritanopia

27.6578, 38.8214, 60.0684

Trichromacy



Original Color

34.9406, 38.9745, 100.2890

Protanomaly

37.1649, 37.9706, 94.9928

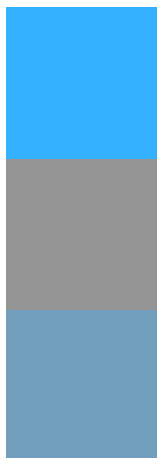
Deuteranomaly

37.2486, 38.4562, 100.0673

Tritanomaly

29.7827, 38.7088, 72.9197

Monochromacy



Original Color

34.9406, 38.9745, 100.2890

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.0066, 31.5523, 51.6278

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9406, 38.9745, 100.2890 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(51, 176, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 176, 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(51, 176, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 176, 255) }
```

Border

The CSS property to change the border of an element to XYZ 34.9406, 38.9745, 100.2890 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(51, 176, 255) }
```


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

```
.border{ border-color:rgb(51, 176, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 176, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 176, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 176, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 176,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9406, 38.9745, 100.2890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 176, 255) }
```

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

```
.background{ background-color: rgb(51, 176,  
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](#).

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