

# Converting Colors

XYZ(34.1122, 38.7282,  
100.2851)

Have a look what the booklet for  
XYZ(34.1122, 38.7282, 100.2851)  
contains.

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# Color

**XYZ(34.1981, 38.8839,  
100.3107)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1AB1FF
RGB	26, 177, 255
RGB Percent	10%, 69%, 100%
CMY	0.8979, 0.3059, 0.0000
CMYK	0.90, 0.31, 0.00, 0.00
HSL	200°, 100%, 55%
HSV	200°, 90%, 100%
XYZ	34.1981, 38.8839, 100.3107
YIQ	140.7430, -115.0340, -7.7540

# Conversions

## Conversions Part 2

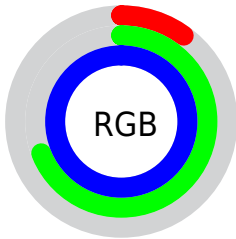
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	26, 117, 255
Decimal	1749503
CIE Lab	68.67, -9.32, -48.63
CIE LCh	69, 49.515, 259.150
Yxy	38.8839, 0.1972, 0.2243
Android (android.graphics.Color)	4279939583 (0xFF1AB1FF)
YUV	140.7430, 56.3287, -100.6296
Hunter-Lab	62.3570, -11.2309, -51.7272

# Details

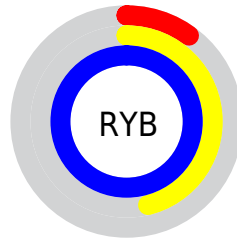
The XYZ color **34.1981, 38.8839, 100.3107** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **46.3804, 31.2419, 4.5651**, and the grayscale version is **25.0403, 26.3443, 28.6890**.

A 20% lighter version of the original color is **54.3778, 68.7848, 105.0185**, and **17.5267, 18.7444, 56.1204** is the 20% darker color. If you saturate the color by 10%, you get **32.1176, 35.3453, 99.7373**, and if you desaturate by 10%, it is **36.9357, 42.9245, 100.9463**.

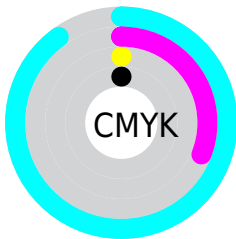
# Distribution



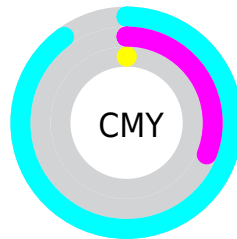
- Red (10%)
- Green (69%)
- Blue (100%)



- Red (10%)
- Yellow (46%)
- Blue (100%)



- Cyan (90%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (90%)
- Magenta (31%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.1981, 38.8839, 100.3107 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 34.1981, 38.8839, 100.3107 by changing the saturation by 10% instead.



■ 34.1981, 38.8839,  
100.3107

■ 34.1981, 38.8839,  
100.3107

312.5849,  
341.3966, 582.4435

■ 23.2094, 26.6694,  
75.9417

■ 65.5839, 73.4609,  
163.6397

■ 14.8698, 17.3251,  
55.8783

■ 86.7117, 96.5923,  
203.4368

■ 8.8138, 10.4666,  
39.7021

■ 111.9499,  
124.1313, 249.2136

■ 4.6760, 5.7094,  
26.9943

■ 141.6639,  
156.4625, 301.3888

■ 2.0913, 2.6692,  
17.3365

■ 176.2191,  
193.9703, 360.3808

■ 0.6845, 0.9616,  
10.3102

215.9807,

■ 0.0000, 0.0000,

237.0389, 426.6083

5.4969

261.3142,  
286.0529, 500.4897

■ 0.0000, 0.0000,  
2.4778

■ 0.0000, 0.0000,  
0.8284

■ 34.1981, 38.8839,  
100.3107

■ 34.1981, 38.8839,  
100.3107

■ 32.1176, 35.3453,  
99.7373

■ 36.9357, 42.9245,  
100.9463

■ 32.0772, 35.2745,  
99.7257

■ 40.4888, 47.5501,  
101.6518

■ 44.9608, 52.8173,  
102.4328

■ 50.4380, 58.7733,  
103.2938

■ 56.9956, 65.4596,  
104.2387

■ 64.7015, 72.9140,  
105.2714

■ 73.6175, 81.1708,  
106.3952

■ 83.8008, 90.2620,  
107.6133

■ 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.



27.9660, 38.8839, 84.0032



34.1981, 38.8839, 100.3107



42.1157, 38.8839, 97.4694

# Triad

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



34.1981, 38.8839, 100.3107



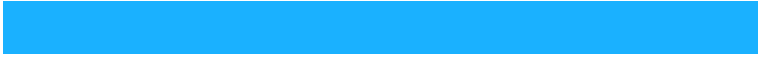
53.0677, 38.8839, 29.7192



26.7068, 38.8839, 19.9483

# Complementary

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



34.1981, 38.8839, 100.3107



46.3804, 31.2419, 4.5651

# 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.



32.2395, 38.8839, 13.2876



34.1981, 38.8839, 100.3107



47.6963, 38.8839, 17.3956

# Square

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



34.1981, 38.8839, 100.3107



53.7883, 38.8839, 50.9762



39.8625, 38.8839, 12.5561



24.0651, 38.8839, 34.7353



# Rectangle

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



34.1981, 38.8839, 100.3107



47.2923, 38.8839, 85.3066



39.8625, 38.8839, 12.5561



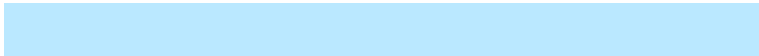
28.2508, 38.8839, 16.9457

# Sweetspot

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



34.1994, 38.8851, 100.3108



67.0651, 75.1358, 105.5757



38.6029, 72.7065, 24.6624



13.7384, 15.5021, 22.5181



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

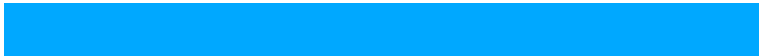


# Same Dimension

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



34.1994, 38.8851, 100.3108



32.0772, 35.2745, 99.7257



20.3213, 11.1289, 95.6848



18.0032, 19.3781, 23.0414



16.9051, 18.7199, 52.1569



1.7475, 2.0256, 5.1122



# Inverse Universe

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



49.5462, 25.1747, 43.8438



48.3203, 24.0921, 39.2143



66.1982, 70.8775, 11.1710



18.5143, 18.1890, 21.3254



25.3211, 12.6177, 20.8734

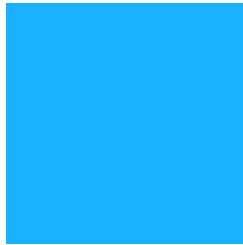


2.5166, 1.2490, 2.3021



# Previews

## White Background



This preview shows how the XYZ color 34.1981, 38.8839, 100.3107 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

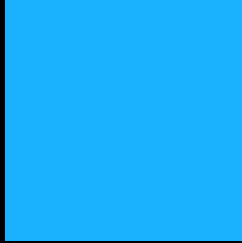
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.1981, 38.8839, 100.3107 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

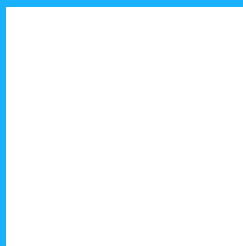
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 34.1981, 38.8839, 100.3107**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.1981, 38.8839, 100.3107.



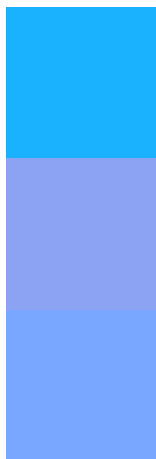
This preview shows how white text looks on a background with the XYZ color 34.1981, 38.8839,



# 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

34.1981, 38.8839, 100.3107

### Protanopia

40.2415, 38.3015, 90.8599

### Deuteranopia

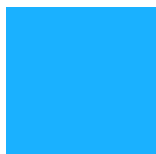
39.5714, 38.5574, 99.9644



## Tritanopia

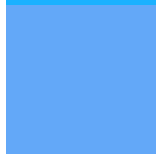
27.6578, 38.8214, 60.0684

# Trichromacy



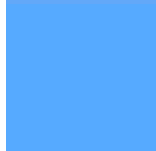
## Original Color

34.1981, 38.8839, 100.3107



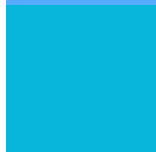
## Protanomaly

36.0915, 37.4352, 94.1304



## Deuteranomaly

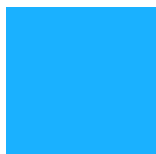
36.2625, 37.9479, 100.0212



## Tritanomaly

29.6268, 38.6284, 72.9124

# Monochromacy



## Original Color

34.1981, 38.8839, 100.3107



## Achromatopsia

25.3171, 26.6356, 29.0061



## Achromatomaly

25.1447, 29.1413, 48.5555

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.1981, 38.8839, 100.3107 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(26, 177, 255)` looks like.

```
.text, #text, p{  
    color:rgb(26, 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(26, 177, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 177, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 34.1981, 38.8839, 100.3107 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(26, 177, 255) }
```



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

```
.border{ border-color:rgb(26, 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(26, 177, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 177, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 177, 255);  
box-shadow:4px 4px 4px 4px rgb(26, 177,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.1981, 38.8839, 100.3107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 177, 255) }
```

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

```
.background{ background-color: rgb(26, 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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