

Converting Colors

XYZ(35.2353, 39.0646,
105.7997)

Have a look what the booklet for
XYZ(35.2353, 39.0646, 105.7997)
contains.

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Color

**XYZ(34.1404, 38.5620,
100.2516)**

Conversions

Conversions Part 1

Format	Color
Hex	1FB0FF
RGB	31, 176, 255
RGB Percent	12%, 69%, 100%
CMY	0.8783, 0.3098, 0.0000
CMYK	0.88, 0.31, 0.00, 0.00
HSL	201°, 100%, 56%
HSV	201°, 88%, 100%
XYZ	34.1404, 38.5620, 100.2516
YIQ	141.6510, -111.7790, -6.1710

Conversions

Conversions Part 2

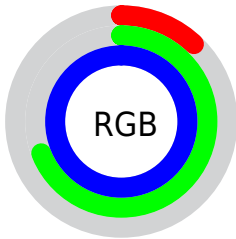
Format	Color
R _Y B	31, 119, 255
Decimal	2076927
CIE Lab	68.43, -8.51, -49.00
CIE LCh	68, 49.729, 260.146
Yxy	38.5620, 0.1974, 0.2230
Android (android.graphics.Color)	4280267007 (0xFF1FB0FF)
YUV	141.6510, 55.8811, -97.0409
Hunter-Lab	62.0983, -10.5363, -52.2490

Details

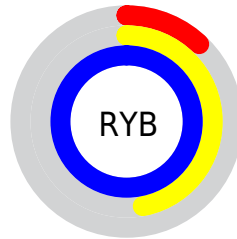
The XYZ color **34.1404, 38.5620, 100.2516** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **47.0667, 32.5171, 5.0942**, and the grayscale version is **25.3956, 26.7182, 29.0961**.

A 20% lighter version of the original color is **54.2337, 68.2938, 104.9313**, and **17.4007, 18.4925, 56.0784** is the 20% darker color. If you saturate the color by 10%, you get **31.9393, 34.8959, 99.6599**, and if you desaturate by 10%, it is **37.0589, 42.7725, 100.9104**.

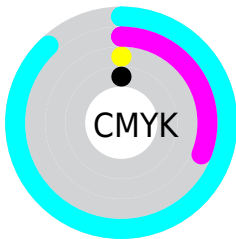
Distribution



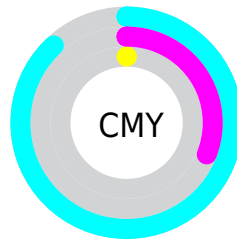
- Red (12%)
- Green (69%)
- Blue (100%)



- Red (12%)
- Yellow (47%)
- Blue (100%)



- Cyan (88%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (88%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.1404, 38.5620, 100.2516 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 34.1404, 38.5620, 100.2516 by changing the saturation by 10% instead.

■ 34.1404, 38.5620,
100.2516

■ 34.1404, 38.5620,
100.2516

312.3325,
340.0247, 582.2526

■ 23.1649, 26.4192,
75.8926

■ 65.4948, 72.9687,
163.5578

■ 14.8367, 17.1375,
55.8383

■ 86.6044, 96.0014,
203.3421

■ 8.7904, 10.3326,
39.6702

■ 111.8227,
123.4328, 249.1052

■ 4.6607, 5.6200,
26.9697

■ 141.5150,
155.6473, 301.2657

■ 2.0823, 2.6154,
17.3182

■ 176.0469,
193.0294, 360.2422

■ 0.6796, 0.9344,
10.2973

215.7835,

■ 0.0000, 0.0000,

235.9634, 426.4531

5.4883

261.0903,
284.8337, 500.3171

■ 0.0000, 0.0000,
2.4728

■ 0.0000, 0.0000,
0.8257

■ 34.1404, 38.5620,
100.2516

■ 34.1404, 38.5620,
100.2516

■ 31.9393, 34.8959,
99.6599

■ 37.0589, 42.7725,
100.9104

■ 31.5154, 34.1508,
99.5385

■ 40.8220, 47.5946,
101.6429

■ 45.5297, 53.0835,
102.4542

■ 51.2659, 59.2855,
103.3490

■ 58.1045, 66.2419,
104.3313

■ 66.1123, 73.9898,
105.4047

■ 75.3502, 82.5636,
106.5727

■ 85.8750, 91.9953,
107.8385

■ 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.



27.8422, 38.5620, 84.4403



34.1404, 38.5620, 100.2516



42.0741, 38.5620, 96.7248

Triad

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



34.1404, 38.5620, 100.2516



52.6443, 38.5620, 28.8427



26.2855, 38.5620, 20.0087

Complementary

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



34.1404, 38.5620, 100.2516



47.0667, 32.5171, 5.0942

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.



31.7170, 38.5620, 13.1611



34.1404, 38.5620, 100.2516



47.1480, 38.5620, 16.8600

Square

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



34.1404, 38.5620, 100.2516



53.5373, 38.5620, 49.7903



39.2839, 38.5620, 12.2606



23.7525, 38.5620, 35.0456

Rectangle

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



34.1404, 38.5620, 100.2516



47.2175, 38.5620, 84.2159



39.2839, 38.5620, 12.2606



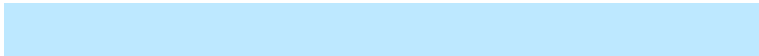
27.7934, 38.5620, 16.9368

Sweetspot

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



34.1417, 38.5632, 100.2517



67.7102, 75.4971, 105.6114



39.1090, 72.9250, 26.6014



13.8532, 15.5542, 22.5221



0.0000, 0.0000, 0.0000



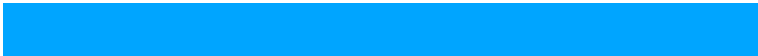
20.3446, 21.4041, 23.3091

Same Dimension

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



34.1417, 38.5632, 100.2517



31.5154, 34.1508, 99.5385



20.4849, 11.2495, 95.6994



17.9842, 19.3399, 23.0351



16.6132, 18.1360, 52.0596



1.7204, 1.9715, 5.1031

Inverse Universe

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



49.5674, 25.3762, 43.3609



48.0367, 23.9787, 37.7210



67.4511, 73.2859, 11.8890



18.5046, 18.1852, 21.2746



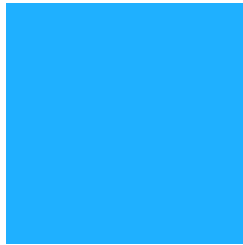
25.1738, 12.5588, 20.0974



2.5030, 1.2436, 2.2302

Previews

White Background



This preview shows how the XYZ color 34.1404, 38.5620, 100.2516 looks on a white background.

Color Contrast Check

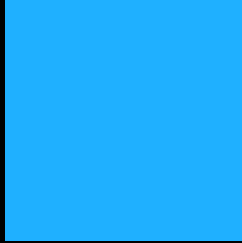
Large Text (above 18pt) WCAG AA × Fail

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 34.1404, 38.5620, 100.2516 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

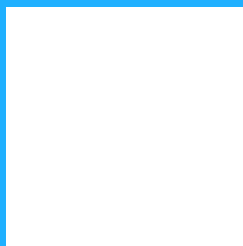
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.1404, 38.5620, 100.2516

Background



This preview shows how black text looks on a background with the XYZ color 34.1404, 38.5620, 100.2516.



This preview shows how white text looks on a background with the XYZ color 34.1404, 38.5620,

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

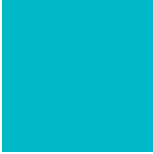
34.1404, 38.5620, 100.2516

Protanopia

39.9076, 38.1293, 90.8443

Deuteranopia

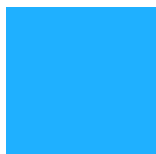
39.2509, 38.1233, 99.8975



Tritanopia

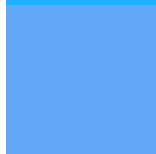
27.3335, 38.3582, 59.3893

Trichromacy



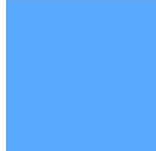
Original Color

34.1404, 38.5620, 100.2516



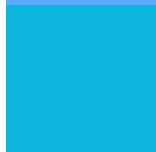
Protanomaly

36.0915, 37.4352, 94.1304



Deuteranomaly

36.2625, 37.6706, 99.9677



Tritanomaly

29.4481, 38.2334, 72.8455

Monochromacy



Original Color

34.1404, 38.5620, 100.2516



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

25.5823, 29.3549, 49.1175

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1404, 38.5620, 100.2516 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(31, 176, 255)` looks like.

```
.text, #text, p{  
    color:rgb(31, 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(31, 176, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 176, 255) }
```

Border

The CSS property to change the border of an element to XYZ 34.1404, 38.5620, 100.2516 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(31, 176, 255) }
```


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

```
.border{ border-color:rgb(31, 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(31, 176, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 176, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 176, 255);  
box-shadow:4px 4px 4px 4px rgb(31, 176,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1404, 38.5620, 100.2516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 176, 255) }
```

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

```
.background{ background-color: rgb(31, 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](#).

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