

Converting Colors

XYZ(35.3482, 34.9687,
105.8903)

Have a look what the booklet for
XYZ(35.3482, 34.9687, 105.8903)
contains.

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Color

**XYZ(34.1031, 34.4152,
99.4531)**

Conversions

Conversions Part 1

Format	Color
Hex	50A1FF
RGB	80, 161, 255
RGB Percent	31%, 63%, 100%
CMY	0.6862, 0.3686, 0.0000
CMYK	0.69, 0.37, 0.00, 0.00
HSL	212°, 100%, 66%
HSV	212°, 69%, 100%
XYZ	34.1031, 34.4152, 99.4531
YIQ	147.4970, -78.4500, 12.0620

Conversions

Conversions Part 2

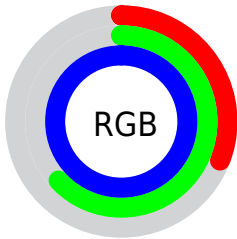
Format	Color
R _Y B	80, 135, 255
Decimal	5284351
CIE Lab	65.29, 4.90, -53.89
CIE LCh	65, 54.117, 275.198
Yxy	34.4152, 0.2030, 0.2049
Android (android.graphics.Color)	4283474431 (0xFF50A1FF)
YUV	147.4970, 52.9990, -59.1949
Hunter-Lab	58.6645, 1.1036, -59.4484

Details

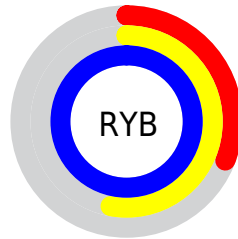
The XYZ color **34.1031, 34.4152, 99.4531** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **57.8261, 52.1149, 14.6029**, and the grayscale version is **27.7511, 29.1963, 31.7947**.

A 20% lighter version of the original color is **54.2045, 61.9319, 103.7049**, and **15.7690, 15.2291, 55.5345** is the 20% darker color. If you saturate the color by 10%, you get **30.0799, 28.9806, 98.6162**, and if you desaturate by 10%, it is **39.2074, 40.7973, 100.4160**.

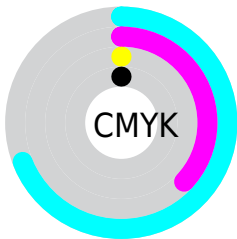
Distribution



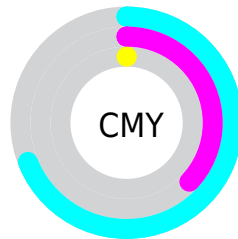
- Red (31%)
- Green (63%)
- Blue (100%)



- Red (31%)
- Yellow (53%)
- Blue (100%)



- Cyan (69%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)



- Cyan (69%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.1031, 34.4152, 99.4531 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 34.1031, 34.4152, 99.4531 by changing the saturation by 10% instead.

■ 34.1031, 34.4152,
99.4531

■ 34.1031, 34.4152,
99.4531

312.1694,
321.9795, 579.6695

■ 23.1361, 23.2127,
75.2295

■ 65.4372, 66.5788,
162.4507

■ 14.8153, 14.7507,
55.2981

■ 86.5350, 88.3088,
202.0619

■ 8.7753, 8.6446,
39.2402

■ 111.7404,
114.3167, 247.6393

■ 4.6508, 4.5101,
26.6374

■ 141.4188,
144.9870, 299.6016

■ 2.0765, 1.9628,
17.0711

175.9355,
180.7040, 358.3672

■ 0.6764, 0.5857,
10.1227

215.6560,

■ 0.0000, 0.0000,

221.8521, 424.3547

5.3737

260.9455,
268.8158, 497.9826

■ 0.0000, 0.0000,
2.4056

■ 0.0000, 0.0000,
0.7895

■ 34.1031, 34.4152,
99.4531

■ 34.1031, 34.4152,
99.4531

■ 30.0799, 28.9806,
98.6162

■ 39.2074, 40.7973,
100.4160

■ 27.0278, 24.4229,
97.8973

■ 45.4799, 48.1825,
101.5108

■ 24.7994, 20.6536,
97.2872

■ 53.0021, 56.6246,
102.7439

■ 24.5311, 20.1822,
97.2104

■ 61.8467, 66.1719,
104.1205

■ 72.0802, 76.8694,
105.6460

■ 83.7646, 88.7592,
107.3251

95.0500, 100.0000,
108.9000

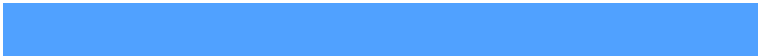
Harmonies

Analogous

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



26.7559, 34.4152, 92.2994



34.1031, 34.4152, 99.4531



42.2476, 34.4152, 85.3109

Triad

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



34.1031, 34.4152, 99.4531



46.7246, 34.4152, 17.6079



20.7911, 34.4152, 22.0541

Complementary

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



34.1031, 34.4152, 99.4531



57.8261, 52.1149, 14.6029

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.



24.7291, 34.4152, 12.0168



34.1031, 34.4152, 99.4531



39.4892, 34.4152, 10.2669

Square

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



34.1031, 34.4152, 99.4531



50.2452, 34.4152, 33.6756



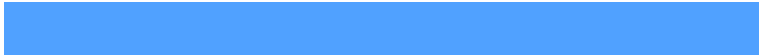
31.3566, 34.4152, 8.7363



19.8193, 34.4152, 41.5442

Rectangle

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



34.1031, 34.4152, 99.4531



46.8009, 34.4152, 68.1065



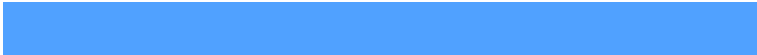
31.3566, 34.4152, 8.7363



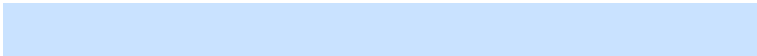
21.7770, 34.4152, 17.7570

Sweetspot

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



34.1043, 34.4163, 99.4533



69.5188, 74.2205, 105.2697



46.6448, 76.2562, 51.9675



14.2647, 15.2455, 22.4408



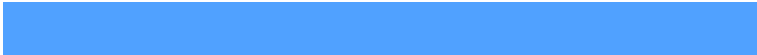
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



34.1043, 34.4163, 99.4533



28.9465, 27.3471, 98.3606



24.7428, 14.9299, 96.1854



17.6959, 18.7634, 22.9390



12.9638, 10.8372, 50.8431



1.3702, 1.2710, 4.9864

Inverse Universe

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



50.5426, 29.5721, 36.7631



47.1467, 25.1796, 28.2344



76.3348, 92.2698, 21.3780



18.3591, 18.1270, 20.5084



23.3317, 11.8220, 10.3974



2.3262, 1.1729, 1.2992

Previews

White Background



This preview shows how the XYZ color 34.1031, 34.4152, 99.4531 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 34.1031, 34.4152, 99.4531 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

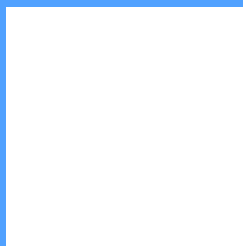
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.1031, 34.4152, 99.4531

Background



This preview shows how black text looks on a background with the XYZ color 34.1031, 34.4152, 99.4531.



This preview shows how white text looks on a background with the XYZ color 34.1031, 34.4152,

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

34.1031, 34.4152, 99.4531

Protanopia

36.6805, 34.0883, 94.2690

Deuteranopia

35.4224, 34.3264, 99.3664



Tritanopia

24.9942, 34.5809, 53.5016

Trichromacy



Original Color

34.1031, 34.4152, 99.4531

Protanomaly

35.5330, 34.2048, 95.9962

Deuteranomaly

34.8618, 34.2916, 99.3893

Tritanomaly

27.5573, 34.1579, 68.0915

Monochromacy



Original Color

34.1031, 34.4152, 99.4531

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.5293, 30.5813, 51.4128

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1031, 34.4152, 99.4531 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(80, 161, 255)` looks like.

```
.text, #text, p{  
    color:rgb(80, 161, 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(80, 161, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 161, 255) }
```

Border

The CSS property to change the border of an element to XYZ 34.1031, 34.4152, 99.4531 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(80, 161, 255) }
```


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

```
.border{ border-color:rgb(80, 161, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 161, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 161, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 161, 255);  
box-shadow:4px 4px 4px 4px rgb(80, 161,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1031, 34.4152, 99.4531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 161, 255) }
```

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

```
.background{ background-color: rgb(80, 161,  
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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