

Converting Colors

XYZ(33.9401, 31.3857, 93.3593)

Have a look what the booklet for
XYZ(33.9401, 31.3857, 93.3593)
contains.

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Color

**XYZ(33.9974, 31.5234,
93.0997)**

Conversions

Conversions Part 1

Format	Color
Hex	6D95F8
RGB	109, 149, 248
RGB Percent	43%, 58%, 97%
CMY	0.5725, 0.4157, 0.0274
CMYK	0.56, 0.40, 0.00, 0.03
HSL	223°, 91%, 70%
HSV	223°, 56%, 97%
XYZ	33.9974, 31.5234, 93.0997
YIQ	148.3260, -55.6190, 22.3090

Conversions

Conversions Part 2

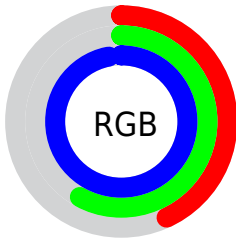
Format	Color
R _Y B	109, 140, 248
Decimal	7181816
CIE Lab	62.95, 14.64, -53.71
CIE LCh	63, 55.671, 285.245
Yxy	31.5234, 0.2143, 0.1987
Android (android.graphics.Color)	4285371896 (0xFF6D95F8)
YUV	148.3260, 49.1393, -34.4889
Hunter-Lab	56.1457, 9.8305, -59.0115

Details

The XYZ color **33.9974, 31.5234, 93.0997** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **64.0297, 66.1756, 23.8684**, and the grayscale version is **28.1034, 29.5670, 32.1985**.

A 20% lighter version of the original color is **55.7681, 58.3669, 102.9344**, and **14.7803, 13.1567, 51.0507** is the 20% darker color. If you saturate the color by 10%, you get **28.7798, 24.9952, 92.1153**, and if you desaturate by 10%, it is **40.5017, 39.3450, 94.2673**.

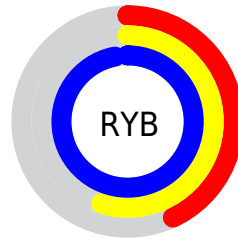
Distribution



Red (43%)

Green (58%)

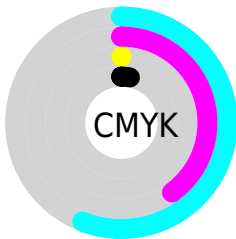
Blue (97%)



Red (43%)

Yellow (55%)

Blue (97%)

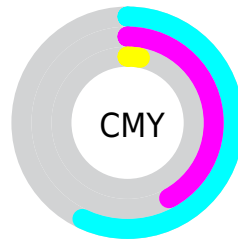


Cyan (56%)

Magenta (40%)

Yellow (0%)

Black (3%)



Cyan (57%)

Magenta (42%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9974, 31.5234, 93.0997 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 33.9974, 31.5234, 93.0997 by changing the saturation by 10% instead.

■ 33.9974, 31.5234,
93.0997

■ 33.9974, 31.5234,
93.0997

311.7066,
308.9424, 558.8915

■ 23.0545, 20.9977,
69.9662

■ 65.2739, 62.0632,
153.6095

■ 14.7547, 13.1223,
51.0224

■ 86.3383, 82.8461,
191.8230

■ 8.7326, 7.5128,
35.8496

■ 111.5071,
107.8168, 235.9002

■ 4.6229, 3.7848,
24.0293

141.1459,
137.3599, 286.2597

■ 2.0602, 1.5540,
15.1429

175.6198,
171.8595, 343.3201

■ 0.6674, 0.3263,
8.7720

215.2943,

■ 0.0000, 0.0000,

211.7003, 407.4998

4.4980

260.5348,
257.2664, 479.2174

■ 0.0000, 0.0000,
1.9023

■ 0.0000, 0.0000,
0.4942

■ 33.9974, 31.5234,
93.0997

■ 33.9974, 31.5234,
93.0997

■ 28.7798, 24.9952,
92.1153

■ 40.5017, 39.3450,
94.2673

■ 24.7518, 19.6808,
91.3018

■ 48.3727, 48.5263,
95.6246

■ 21.8070, 15.4954,
90.6491

■ 57.6879, 59.1327,
97.1809

■ 19.8152, 12.3387,
90.1448

■ 68.5176, 71.2242,
98.9440

■ 19.2197, 11.3299,
89.9815

■ 80.9275, 84.8570,
100.9213

■ 93.9388, 99.5482,
103.0712

■ 93.9434, 99.5574,
103.0727

Harmonies

Analogous

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



26.3706, 31.5234, 93.2809



33.9974, 31.5234, 93.0997



41.6647, 31.5234, 73.3345

Triad

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



33.9974, 31.5234, 93.0997



41.5542, 31.5234, 12.2621



17.8728, 31.5234, 24.6758

Complementary

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



33.9974, 31.5234, 93.0997



64.0297, 66.1756, 23.8684

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.



20.6857, 31.5234, 12.3906



33.9974, 31.5234, 93.0997



33.8656, 31.5234, 7.5816

Square

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



33.9974, 31.5234, 93.0997



46.5072, 31.5234, 24.3981



26.2594, 31.5234, 7.6156



17.8958, 31.5234, 46.6310

Rectangle

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



33.9974, 31.5234, 93.0997



45.3982, 31.5234, 55.1518



26.2594, 31.5234, 7.6156



18.4938, 31.5234, 19.5361

Sweetspot

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



33.9987, 31.5245, 93.1005



71.7895, 74.5429, 105.2123



51.0526, 74.8579, 70.3437



14.8476, 15.3796, 22.4360



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.



33.9987, 31.5245, 93.1005



30.1498, 25.9722, 98.0318



32.6975, 23.0181, 91.5272



16.6898, 17.4565, 21.8751



10.4858, 6.3272, 48.6422



1.0577, 0.7592, 4.5340

Inverse Universe

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



49.6060, 33.0654, 32.2022



48.6772, 29.3260, 25.3981



65.9047, 83.4868, 27.1110



17.4500, 17.3073, 18.9593



21.5848, 11.0496, 4.5219



2.0428, 1.0409, 0.6489

Previews

White Background



This preview shows how the XYZ color 33.9974, 31.5234, 93.0997 looks on a white background.

Color Contrast Check

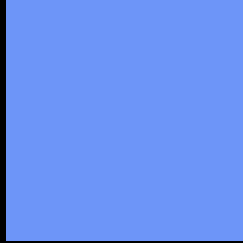
Large Text (above 18pt) WCAG AA × Fail

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 33.9974, 31.5234, 93.0997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

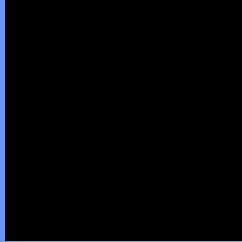
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

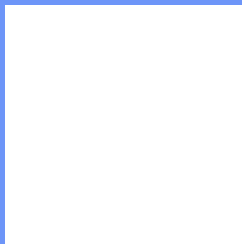
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.9974, 31.5234, 93.0997

Background



This preview shows how black text looks on a background with the XYZ color 33.9974, 31.5234, 93.0997.



This preview shows how white text looks on a background with the XYZ color 33.9974, 31.5234,

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

33.9974, 31.5234, 93.0997

Protanopia

34.0605, 31.3400, 92.2497

Deuteranopia

32.5309, 31.4990, 92.3610



Tritanopia

24.6909, 31.5191, 46.3774

Trichromacy



Original Color

33.9974, 31.5234, 93.0997

Protanomaly

33.9340, 31.2747, 92.2438

Deuteranomaly

33.0007, 31.5013, 92.3367

Tritanomaly

27.5913, 31.3834, 61.1033

Monochromacy



Original Color

33.9974, 31.5234, 93.0997

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

29.0731, 29.7088, 49.5495

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9974, 31.5234, 93.0997 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(109, 149, 248)` looks like.

```
.text, #text, p{  
    color:rgb(109, 149, 248)  
}
```

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(109, 149, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 149, 248) }
```

Border

The CSS property to change the border of an element to XYZ 33.9974, 31.5234, 93.0997 is called "border". The border property can be set on classes, ids or directly on the HTML element.

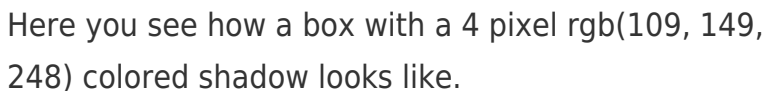
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(109, 149, 248) }
```


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

```
.border{ border-color:rgb(109, 149, 248) }
```

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



Here you see how a box with a 4 pixel `rgb(109, 149, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 149, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 149, 248); box-shadow:4px 4px 4px 4px rgb(109, 149, 248) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9974, 31.5234, 93.0997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 149, 248) }
```

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

```
.background{ background-color: rgb(109,  
149, 248) }
```

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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