

Converting Colors

XYZ(33.1241, 30.6488, 98.7777)

Have a look what the booklet for
XYZ(33.1241, 30.6488, 98.7777)
contains.

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Color

**XYZ(33.1541, 30.7270,
98.7912)**

Conversions

Conversions Part 1

Format	Color
Hex	5D94FF
RGB	93, 148, 255
RGB Percent	36%, 58%, 100%
CMY	0.6353, 0.4196, 0.0000
CMYK	0.64, 0.42, 0.00, 0.00
HSL	220°, 100%, 68%
HSV	220°, 64%, 100%
XYZ	33.1541, 30.7270, 98.7912
YIQ	143.7530, -67.1270, 21.6170

Conversions

Conversions Part 2

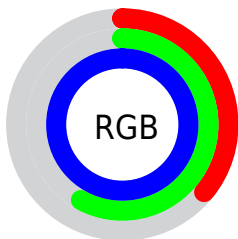
Format	Color
R _Y B	93, 134, 255
Decimal	6132991
CIE Lab	62.28, 14.57, -58.66
CIE LCh	62, 60.442, 283.948
Yxy	30.7270, 0.2038, 0.1889
Android (android.graphics.Color)	4284323071 (0xFF5D94FF)
YUV	143.7530, 54.8448, -44.5104
Hunter-Lab	55.4319, 9.7558, -66.8647

Details

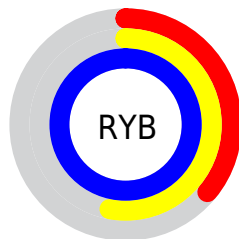
The XYZ color **33.1541, 30.7270, 98.7912** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **63.8721, 63.3624, 19.2217**, and the grayscale version is **26.2174, 27.5827, 30.0376**.

A 20% lighter version of the original color is **52.8808, 56.5290, 102.7318**, and **14.5607, 12.8126, 55.1317** is the 20% darker color. If you saturate the color by 10%, you get **28.5374, 24.7065, 97.8725**, and if you desaturate by 10%, it is **39.0177, 37.9616, 99.8786**.

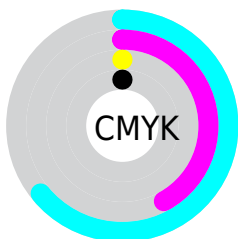
Distribution



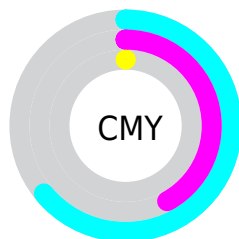
- Red (36%)
- Green (58%)
- Blue (100%)



- Red (36%)
- Yellow (53%)
- Blue (100%)



- Cyan (64%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)



- Cyan (64%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1541, 30.7270, 98.7912 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 33.1541, 30.7270, 98.7912 by changing the saturation by 10% instead.

■ 33.1541, 30.7270,
98.7912

■ 33.1541, 30.7270,
98.7912

307.9963,
305.2786, 577.5237

■ 22.4043, 20.3911,
74.6802

■ 63.9691, 60.8100,
161.5324

■ 14.2726, 12.6796,
54.8507

■ 84.7651, 81.3258,
200.9996

■ 8.3934, 7.2083,
38.8844

■ 109.6404,
106.0038, 246.4226

■ 4.4016, 3.5927,
26.3627

■ 138.9606,
135.2282, 298.2200

■ 1.9318, 1.4484,
16.8670

173.0909,
169.3835, 356.8102

■ 0.5952, 0.2520,
9.9787

212.3967,

■ 0.0000, 0.0000,

208.8541, 422.6119

5.2794

257.2434,
254.0243, 496.0435

■ 0.0000, 0.0000,
2.3505

■ 0.0000, 0.0000,
0.7593

■ 33.1541, 30.7270,
98.7912

■ 33.1541, 30.7270,
98.7912

■ 28.5374, 24.7065,
97.8725

■ 39.0177, 37.9616,
99.8786

■ 25.0581, 19.8183,
97.1123

■ 46.2173, 46.4784,
101.1431

■ 22.5909, 15.9715,
96.4999

■ 54.8373, 56.3429,
102.5928

■ 21.4233, 13.9666,
96.1744

■ 64.9539, 67.6152,
104.2353

■ 76.6374, 80.3511,
106.0778

■ 89.9537, 94.6036,
108.1270

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.



25.0765, 30.7270, 97.9146



33.1541, 30.7270, 98.7912



41.5083, 30.7270, 77.3767

Triad

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



33.1541, 30.7270, 98.7912



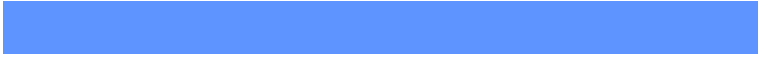
42.0256, 30.7270, 10.9519



16.5692, 30.7270, 22.5028

Complementary

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



33.1541, 30.7270, 98.7912



63.8721, 63.3624, 19.2217

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.



19.6104, 30.7270, 10.4069



33.1541, 30.7270, 98.7912



33.7636, 30.7270, 6.1831

Square

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



33.1541, 30.7270, 98.7912



47.2397, 30.7270, 23.7490



25.5828, 30.7270, 6.0455



16.4672, 30.7270, 45.5033

Rectangle

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



33.1541, 30.7270, 98.7912



45.6971, 30.7270, 57.3360



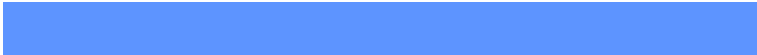
25.5828, 30.7270, 6.0455



17.2519, 30.7270, 17.3431

Sweetspot

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



33.1553, 30.7279, 98.7914



70.0437, 73.1949, 105.0441



50.5031, 77.9388, 65.9915



14.2957, 14.9044, 22.3733



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.



33.1553, 30.7279, 98.7914



27.5750, 23.3949, 97.6701



29.3426, 18.8535, 96.7003



17.5070, 18.3856, 22.8760



11.3175, 7.5447, 50.2943



1.1984, 0.9275, 4.9291

Inverse Universe

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



50.5005, 31.2284, 31.3837



46.7496, 26.1510, 22.6593



70.5948, 89.2497, 23.8642



18.2638, 18.0888, 20.0063



22.5008, 11.4896, 6.0215



2.2395, 1.1382, 0.8427

Previews

White Background



This preview shows how the XYZ color 33.1541, 30.7270, 98.7912 looks on a white background.

Color Contrast Check

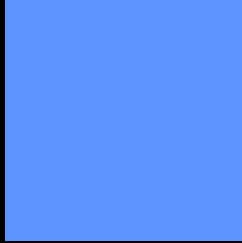
Large Text (above 18pt) WCAG AA × Fail

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 33.1541, 30.7270, 98.7912 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

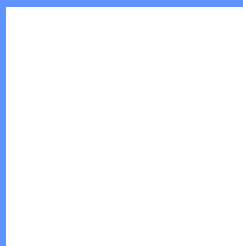
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.1541, 30.7270, 98.7912

Background



This preview shows how black text looks on a background with the XYZ color 33.1541, 30.7270, 98.7912.



This preview shows how white text looks on a background with the XYZ color 33.1541, 30.7270,

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

33.1541, 30.7270, 98.7912

Protanopia

33.7174, 30.5927, 97.0564

Deuteranopia

31.7800, 30.7448, 98.0253



Tritanopia

22.8563, 30.8284, 46.8653

Trichromacy



Original Color

33.1541, 30.7270, 98.7912

Protanomaly

33.5786, 30.7325, 97.9281

Deuteranomaly

32.1891, 30.7178, 97.9985

Tritanomaly

25.7855, 30.4108, 62.9033

Monochromacy



Original Color

33.1541, 30.7270, 98.7912

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

27.2346, 28.0715, 49.3303

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1541, 30.7270, 98.7912 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(93, 148, 255)` looks like.

```
.text, #text, p{  
    color:rgb(93, 148, 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(93, 148, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 148, 255) }
```

Border

The CSS property to change the border of an element to XYZ 33.1541, 30.7270, 98.7912 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(93, 148, 255) }
```


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

```
.border{ border-color:rgb(93, 148, 255) }
```

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

Here you see how a box with a 4 pixel rgb(93, 148, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 148, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 148, 255);  
box-shadow:4px 4px 4px 4px rgb(93, 148,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1541, 30.7270, 98.7912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 148, 255) }
```

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

```
.background{ background-color: rgb(93, 148,  
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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