

Converting Colors

XYZ(33.1780, 30.9536, 98.8337)

Have a look what the booklet for
XYZ(33.1780, 30.9536, 98.8337)
contains.

XYZ(33.2111, 30.9902, 98.8390)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.2111, 30.9902,
98.8390)**

Conversions

Conversions Part 1

Format	Color
Hex	5C95FF
RGB	92, 149, 255
RGB Percent	36%, 58%, 100%
CMY	0.6392, 0.4157, 0.0000
CMYK	0.64, 0.42, 0.00, 0.00
HSL	219°, 100%, 68%
HSV	219°, 64%, 100%
XYZ	33.2111, 30.9902, 98.8390
YIQ	144.0410, -67.9980, 20.8820

Conversions

Conversions Part 2

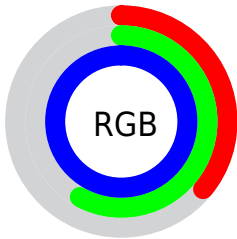
Format	Color
R _Y B	92, 134, 255
Decimal	6067711
CIE Lab	62.50, 13.81, -58.31
CIE LCh	62, 59.920, 283.325
Yxy	30.9902, 0.2037, 0.1901
Android (android.graphics.Color)	4284257791 (0xFF5C95FF)
YUV	144.0410, 54.7028, -45.6400
Hunter-Lab	55.6688, 9.0696, -66.3001

Details

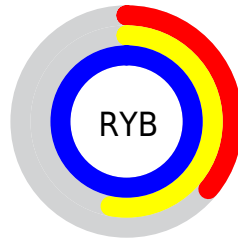
The XYZ color **33.2111, 30.9902, 98.8390** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **63.3681, 62.4248, 18.8367**, and the grayscale version is **26.3336, 27.7050, 30.1707**.

A 20% lighter version of the original color is **52.9235, 56.9004, 102.8013**, and **14.6549, 13.0009, 55.1631** is the 20% darker color. If you saturate the color by 10%, you get **28.6393, 25.0121, 97.9261**, and if you desaturate by 10%, it is **39.0157, 38.1591, 99.9168**.

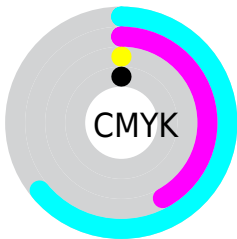
Distribution



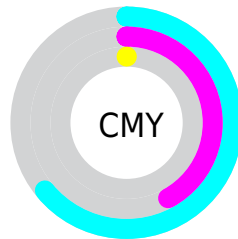
- Red (36%)
- Green (58%)
- Blue (100%)



- 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 33.2111, 30.9902, 98.8390 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 33.2111, 30.9902, 98.8390 by changing the saturation by 10% instead.

■ 33.2111, 30.9902,
98.8390

■ 33.2111, 30.9902,
98.8390

308.2481,
306.4932, 577.6788

■ 22.4482, 20.5914,
74.7198

■ 64.0574, 61.2246,
161.5987

■ 14.3051, 12.8256,
54.8830

■ 84.8716, 81.8291,
201.0763

■ 8.4163, 7.3086,
38.9101

■ 109.7669,
106.6041, 246.5105

■ 4.4165, 3.6558,
26.3825

■ 139.1087,
135.9343, 298.3198

■ 1.9403, 1.4830,
16.8817

173.2624,
170.2038, 356.9228

■ 0.6001, 0.2767,
9.9891

212.5933,

■ 0.0000, 0.0000,

209.7972, 422.7379

5.2862

257.4667,
255.0989, 496.1837

■ 0.0000, 0.0000,
2.3545

■ 0.0000, 0.0000,
0.7615

■ 33.2111, 30.9902,
98.8390

■ 33.2111, 30.9902,
98.8390

■ 28.6393, 25.0121,
97.9261

■ 39.0157, 38.1591,
99.9168

■ 25.1911, 20.1442,
97.1682

■ 46.1418, 46.5855,
101.1677

■ 22.7410, 16.2971,
96.5548

■ 54.6736, 56.3337,
102.5996

■ 21.6361, 14.3921,
96.2454

■ 64.6866, 67.4626,
104.2200

■ 76.2509, 80.0270,
106.0357

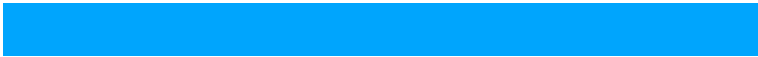
■ 89.4317, 94.0786,
108.0532

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.



25.1893, 30.9902, 97.4573



33.2111, 30.9902, 98.8390



41.5499, 30.9902, 77.9740

Triad

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



33.2111, 30.9902, 98.8390



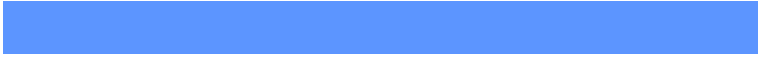
42.3689, 30.9902, 11.3878



16.8638, 30.9902, 22.4477

Complementary

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



33.2111, 30.9902, 98.8390



63.3681, 62.4248, 18.8367

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.



19.9699, 30.9902, 10.5132



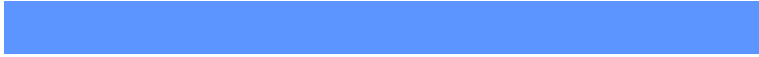
33.2111, 30.9902, 98.8390



34.1776, 30.9902, 6.4447

Square

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



33.2111, 30.9902, 98.8390



47.4575, 30.9902, 24.4320



25.9938, 30.9902, 6.2224



16.7011, 30.9902, 45.1620

Rectangle

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



33.2111, 30.9902, 98.8390



45.7679, 30.9902, 58.1264



25.9938, 30.9902, 6.2224



17.5681, 30.9902, 17.3574

Sweetspot

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



33.2123, 30.9911, 98.8392



70.1757, 73.4589, 105.0881



50.3623, 77.8709, 65.7741



14.3273, 14.9676, 22.3839



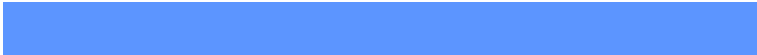
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



33.2123, 30.9911, 98.8392



27.4620, 23.3972, 97.6764



29.1415, 18.6204, 96.6659



17.5225, 18.4166, 22.8812



11.4311, 7.7719, 50.3322



1.2108, 0.9523, 4.9333

Inverse Universe

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



50.4929, 31.0859, 31.7733



46.6368, 25.8924, 22.7232



70.5026, 89.2073, 23.6303



18.2716, 18.0920, 20.0475



22.5581, 11.5125, 6.3235



2.2458, 1.1407, 0.8757

Previews

White Background



This preview shows how the XYZ color 33.2111, 30.9902, 98.8390 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 33.2111, 30.9902, 98.8390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

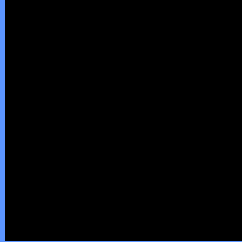
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

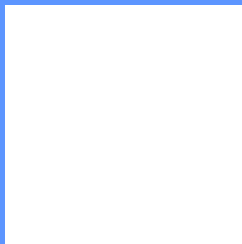
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.2111, 30.9902, 98.8390

Background



This preview shows how black text looks on a background with the XYZ color 33.2111, 30.9902, 98.8390.



This preview shows how white text looks on a background with the XYZ color 33.2111, 30.9902,

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

33.2111, 30.9902, 98.8390

Protanopia

34.1072, 31.0235, 97.1190

Deuteranopia

32.0981, 31.1487, 98.0865



Tritanopia

22.8584, 30.8179, 47.3915

Trichromacy



Original Color

33.2111, 30.9902, 98.8390

Protanomaly

33.8461, 31.1023, 97.9854

Deuteranomaly

32.4357, 31.0828, 98.0560

Tritanomaly

25.8406, 30.4251, 63.5422

Monochromacy



Original Color

33.2111, 30.9902, 98.8390

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

27.3881, 28.3784, 49.3815

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2111, 30.9902, 98.8390 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(92, 149, 255)` looks like.

```
.text, #text, p{  
    color:rgb(92, 149, 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(92, 149, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 149, 255) }
```

Border

The CSS property to change the border of an element to XYZ 33.2111, 30.9902, 98.8390 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(92, 149, 255) }
```


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

```
.border{ border-color:rgb(92, 149, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 149, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 149, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 149, 255);  
box-shadow:4px 4px 4px 4px rgb(92, 149,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2111, 30.9902, 98.8390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 149, 255) }
```

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

```
.background{ background-color: rgb(92, 149,  
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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