

Converting Colors

XYZ(30.9405, 30.9743, 98.9556)

Have a look what the booklet for
XYZ(30.9405, 30.9743, 98.9556)
contains.

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Color

**XYZ(30.9708, 31.0350,
98.9658)**

Conversions

Conversions Part 1

Format	Color
Hex	339AFF
RGB	51, 154, 255
RGB Percent	20%, 60%, 100%
CMY	0.7999, 0.3961, 0.0000
CMYK	0.80, 0.40, 0.00, 0.00
HSL	210°, 100%, 60%
HSV	210°, 80%, 100%
XYZ	30.9708, 31.0350, 98.9658
YIQ	134.7170, -93.8090, 9.5750

Conversions

Conversions Part 2

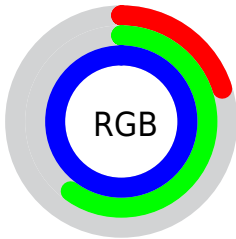
Format	Color
R _Y B	51, 119, 255
Decimal	3382015
CIE Lab	62.54, 5.54, -58.32
CIE LCh	63, 58.588, 275.429
Yxy	31.0350, 0.1924, 0.1928
Android (android.graphics.Color)	4281572095 (0xFF339AFF)
YUV	134.7170, 59.2995, -73.4198
Hunter-Lab	55.7091, 1.7441, -66.3309

Details

The XYZ color **30.9708, 31.0350, 98.9658** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **53.0688, 43.9609, 8.8223**, and the grayscale version is **22.7391, 23.9233, 26.0525**.

A 20% lighter version of the original color is **49.3583, 56.8438, 102.9782**, and **15.1434, 13.9778, 55.3259** is the 20% darker color. If you saturate the color by 10%, you get **28.0441, 26.5940, 98.2628**, and if you desaturate by 10%, it is **34.8223, 36.2788, 99.7749**.

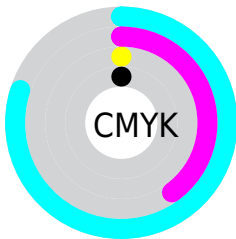
Distribution



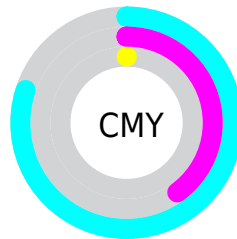
- Red (20%)
- Green (60%)
- Blue (100%)



- Red (20%)
- Yellow (47%)
- Blue (100%)



- Cyan (80%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9708, 31.0350, 98.9658 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 30.9708, 31.0350, 98.9658 by changing the saturation by 10% instead.

■ 30.9708, 31.0350,
98.9658

■ 30.9708, 31.0350,
98.9658

298.2331,
306.6995, 578.0901

■ 20.7283, 20.6255,
74.8251

■ 60.5703, 61.2952,
161.7747

■ 13.0369, 12.8505,
54.9687

■ 80.6579, 81.9146,
201.2799

■ 7.5311, 7.3257,
38.9782

■ 104.7581,
106.7062, 246.7437

■ 3.8457, 3.6666,
26.4351

■ 133.2360,
136.0543, 298.5846

■ 1.6152, 1.4889,
16.9207

166.4572,
170.3433, 357.2212

■ 0.4023, 0.2809,
10.0166

204.7868,

■ 0.0000, 0.0000,

209.9575, 423.0719

5.3042

248.5903,
255.2815, 496.5554

■ 0.0000, 0.0000,
2.3650

■ 0.0000, 0.0000,
0.7673

■ 30.9708, 31.0350,
98.9658

■ 30.9708, 31.0350,
98.9658

■ 28.0441, 26.5940,
98.2628

■ 34.8223, 36.2788,
99.7749

■ 25.8675, 22.8547,
97.6558

■ 39.7024, 42.3876,
100.6968

■ 25.8662, 22.8523,
97.6554

■ 45.7028, 49.4181,
101.7376

■ 52.9033, 57.4202,
102.9026

■ 61.3757, 66.4396,
104.1970

■ 71.1859, 76.5182,
105.6253

■ 82.3947, 87.6957,
107.1920

■ 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.



23.5767, 31.0350, 91.4378



30.9708, 31.0350, 98.9658



39.2967, 31.0350, 83.6134

Triad

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



30.9708, 31.0350, 98.9658



43.8200, 31.0350, 14.2093



17.6465, 31.0350, 18.6378

Complementary

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



30.9708, 31.0350, 98.9658



53.0688, 43.9609, 8.8223

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.



21.4805, 31.0350, 9.1711



30.9708, 31.0350, 98.9658



36.3355, 31.0350, 7.5391

Square

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



30.9708, 31.0350, 98.9658



47.5223, 31.0350, 29.8093



28.0723, 31.0350, 6.2340



16.7271, 31.0350, 38.1142

Rectangle

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



30.9708, 31.0350, 98.9658



43.9916, 31.0350, 65.2907



28.0723, 31.0350, 6.2340



18.5985, 31.0350, 14.5136

Sweetspot

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



30.9719, 31.0359, 98.9659



67.0904, 72.3500, 105.0367



42.5997, 74.4137, 40.8074



13.6203, 14.7238, 22.3741



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.



30.9719, 31.0359, 98.9659



26.6739, 24.2783, 97.8881



20.7548, 10.6016, 95.5602



17.7610, 18.8935, 22.9607



13.6653, 12.2401, 51.0769



1.4398, 1.4104, 5.0096

Inverse Universe

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



48.2574, 25.9623, 33.0402



45.6392, 23.1968, 24.5499



76.5229, 90.8692, 16.6403



18.3920, 18.1401, 20.6814



23.6858, 11.9636, 12.2617



2.3614, 1.1869, 1.4844

Previews

White Background



This preview shows how the XYZ color 30.9708, 31.0350, 98.9658 looks on a white background.

Color Contrast Check

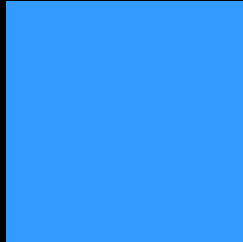
Large Text (above 18pt) WCAG AA × Fail

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 30.9708, 31.0350, 98.9658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

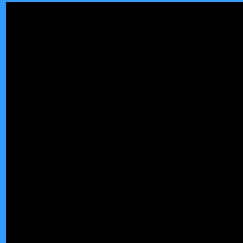
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

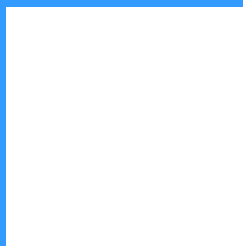
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.9708, 31.0350, 98.9658

Background



This preview shows how black text looks on a background with the XYZ color 30.9708, 31.0350, 98.9658.



This preview shows how white text looks on a background with the XYZ color 30.9708, 31.0350,

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

30.9708, 31.0350, 98.9658

Protanopia

33.6837, 30.8960, 92.9951

Deuteranopia

32.1023, 31.1323, 98.9249



Tritanopia

21.9554, 30.8921, 47.4534

Trichromacy



Original Color

30.9708, 31.0350, 98.9658

Protanomaly

32.3434, 30.8524, 95.5172

Deuteranomaly

31.6880, 31.1607, 98.9522

Tritanomaly

24.4514, 30.4841, 63.6268

Monochromacy



Original Color

30.9708, 31.0350, 98.9658

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

23.5186, 25.5437, 46.3387

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9708, 31.0350, 98.9658 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(51, 154, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 154, 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(51, 154, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 154, 255) }
```

Border

The CSS property to change the border of an element to XYZ 30.9708, 31.0350, 98.9658 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(51, 154, 255) }
```


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

```
.border{ border-color:rgb(51, 154, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 154, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 154, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 154, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 154,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9708, 31.0350, 98.9658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 154, 255) }
```

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

```
.background{ background-color: rgb(51, 154,  
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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