

Converting Colors

XYZ(36.3156, 31.8445,
119.8355)

Have a look what the booklet for
XYZ(36.3156, 31.8445, 119.8355)
contains.

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Color

**XYZ(32.3862, 30.3311,
98.7553)**

Conversions

Conversions Part 1

Format	Color
Hex	5594FF
RGB	85, 148, 255
RGB Percent	33%, 58%, 100%
CMY	0.6666, 0.4196, 0.0000
CMYK	0.67, 0.42, 0.00, 0.00
HSL	218°, 100%, 67%
HSV	218°, 67%, 100%
XYZ	32.3862, 30.3311, 98.7553
YIQ	141.3610, -71.8950, 19.9210

Conversions

Conversions Part 2

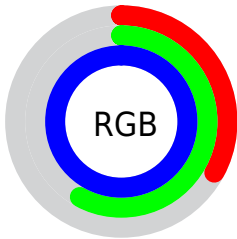
Format	Color
R _Y B	85, 131, 255
Decimal	5608703
CIE Lab	61.94, 13.29, -59.22
CIE LCh	62, 60.691, 282.645
Yxy	30.3311, 0.2006, 0.1878
Android (android.graphics.Color)	4283798783 (0xFF5594FF)
YUV	141.3610, 56.0240, -49.4286
Hunter-Lab	55.0737, 8.5884, -67.7642

Details

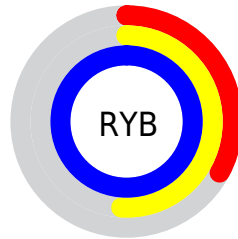
The XYZ color **32.3862, 30.3311, 98.7553** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **61.7316, 59.6191, 16.8504**, and the grayscale version is **25.2677, 26.5836, 28.9495**.

A 20% lighter version of the original color is **51.7482, 55.9451, 102.6788**, and **14.5607, 12.8126, 55.1317** is the 20% darker color. If you saturate the color by 10%, you get **28.1286, 24.6546, 97.8840**, and if you desaturate by 10%, it is **37.8288, 37.1374, 99.7822**.

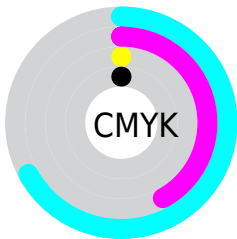
Distribution



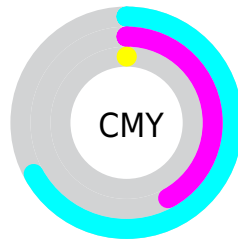
- Red (33%)
- Green (58%)
- Blue (100%)



- Red (33%)
- Yellow (51%)
- Blue (100%)



- Cyan (67%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)



- Cyan (67%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.3862, 30.3311, 98.7553 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 32.3862, 30.3311, 98.7553 by changing the saturation by 10% instead.

■ 32.3862, 30.3311,
98.7553

■ 32.3862, 30.3311,
98.7553

304.5889,
303.4447, 577.4072

■ 21.8136, 20.0900,
74.6504

■ 62.7772, 60.1854,
161.4826

■ 13.8359, 12.4605,
54.8265

■ 83.3263, 80.5674,
200.9420

■ 8.0875, 7.0581,
38.8652

■ 107.9316,
105.0986, 246.3566

■ 4.2033, 3.4985,
26.3478

■ 136.9585,
134.1632, 298.1450

■ 1.8178, 1.3972,
16.8559

170.7723,
168.1458, 356.7257

■ 0.5283, 0.2146,
9.9710

209.7384,

■ 0.0000, 0.0000,

207.4306, 422.5173

5.2744

254.2222,
252.4021, 495.9383

■ 0.0000, 0.0000,
2.3476

■ 0.0000, 0.0000,
0.7577

■ 32.3862, 30.3311,
98.7553

■ 32.3862, 30.3311,
98.7553

■ 28.1286, 24.6546,
97.8840

■ 37.8288, 37.1374,
99.7822

■ 24.9439, 20.0280,
97.1588

■ 44.5470, 45.1391,
100.9726

■ 22.6992, 16.3604,
96.5692

■ 52.6255, 54.3993,
102.3342

■ 22.0967, 15.3133,
96.3989

■ 62.1405, 64.9752,
103.8741

■ 73.1622, 76.9202,
105.5988

■ 85.7560, 90.2844,
107.5145

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.



24.4148, 30.3311, 96.7929



32.3862, 30.3311, 98.7553



40.7620, 30.3311, 78.0856

Triad

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



32.3862, 30.3311, 98.7553



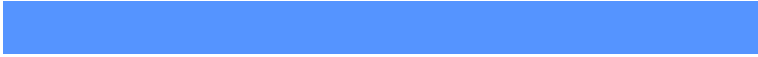
41.9165, 30.3311, 11.0404



16.3394, 30.3311, 21.3952

Complementary

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



32.3862, 30.3311, 98.7553



61.7316, 59.6191, 16.8504

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.



19.4865, 30.3311, 9.8347



32.3862, 30.3311, 98.7553



33.7451, 30.3311, 6.0812

Square

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



32.3862, 30.3311, 98.7553



46.9196, 30.3311, 24.1664



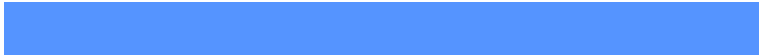
25.5419, 30.3311, 5.7784



16.1128, 30.3311, 43.8214

Rectangle

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



32.3862, 30.3311, 98.7553



45.0519, 30.3311, 58.1493



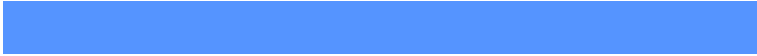
25.5419, 30.3311, 5.7784



17.0591, 30.3311, 16.4359

Sweetspot

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



32.3873, 30.3320, 98.7554



69.3124, 72.7785, 105.0022



48.7837, 77.1623, 60.9446



14.1704, 14.8569, 22.3708



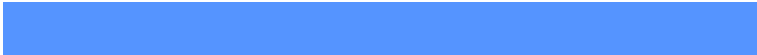
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



32.3873, 30.3320, 98.7554



26.9523, 22.9979, 97.6262



27.1065, 16.7123, 96.4049



17.5543, 18.4802, 22.8918



11.6765, 8.2625, 50.4140



1.2372, 1.0052, 4.9421

Inverse Universe

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



49.8347, 29.8967, 31.1616



46.2282, 25.1494, 22.3581



71.7165, 89.8668, 22.1626



18.2877, 18.0984, 20.1321



22.6819, 11.5621, 6.9755



2.2591, 1.1460, 0.9459

Previews

White Background



This preview shows how the XYZ color 32.3862, 30.3311, 98.7553 looks on a white background.

Color Contrast Check

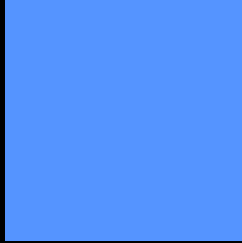
Large Text (above 18pt) WCAG AA × Fail

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 32.3862, 30.3311, 98.7553 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

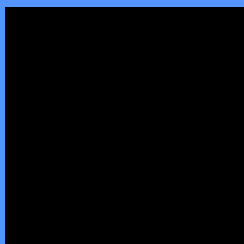
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

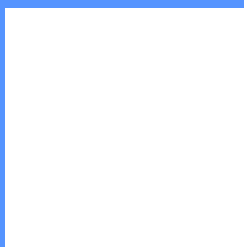
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.3862, 30.3311, 98.7553

Background



This preview shows how black text looks on a background with the XYZ color 32.3862, 30.3311, 98.7553.



This preview shows how white text looks on a background with the XYZ color 32.3862, 30.3311,

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

32.3862, 30.3311, 98.7553

Protanopia

33.2896, 30.1626, 96.1629

Deuteranopia

31.3215, 30.2705, 97.9579



Tritanopia

22.0561, 30.4159, 46.8279

Trichromacy



Original Color

32.3862, 30.3311, 98.7553

Protanomaly

32.8324, 30.1364, 97.0150

Deuteranomaly

31.5385, 30.1465, 97.9225

Tritanomaly

24.9040, 29.9563, 62.8621

Monochromacy



Original Color

32.3862, 30.3311, 98.7553

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

26.3019, 27.3889, 48.1563

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3862, 30.3311, 98.7553 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(85, 148, 255)` looks like.

```
.text, #text, p{  
    color:rgb(85, 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(85, 148, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 148, 255) }
```

Border

The CSS property to change the border of an element to XYZ 32.3862, 30.3311, 98.7553 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(85, 148, 255) }
```


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

```
.border{ border-color:rgb(85, 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(85, 148, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 148, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 148, 255);  
box-shadow:4px 4px 4px 4px rgb(85, 148,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3862, 30.3311, 98.7553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 148, 255) }
```

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

```
.background{ background-color: rgb(85, 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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