

Converting Colors

XYZ(33.9534, 30.9518, 60.9655)

Have a look what the booklet for
XYZ(33.9534, 30.9518, 60.9655)
contains.

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Color

**XYZ(33.8896, 31.0306,
60.7032)**

Conversions

Conversions Part 1

Format	Color
Hex	9990CB
RGB	153, 144, 203
RGB Percent	60%, 56%, 80%
CMY	0.4000, 0.4353, 0.2039
CMYK	0.25, 0.29, 0.00, 0.20
HSL	249°, 36%, 68%
HSV	249°, 29%, 80%
XYZ	33.8896, 31.0306, 60.7032
YIQ	153.4170, -13.5750, 20.2570

Conversions

Conversions Part 2

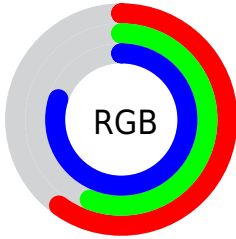
Format	Color
R_{YB}	153, 144, 203
Decimal	10064075
CIE _{Lab}	62.53, 16.05, -29.20
CIE _{LCh}	63, 33.322, 298.785
Yxy	31.0306, 0.2698, 0.2470
Android (android.graphics.Color)	4288254155 (0xFF9990CB)
YUV	153.4170, 24.4444, -0.3657
Hunter-Lab	55.7051, 11.1110, -25.6162

Details

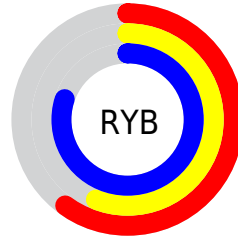
The XYZ color **33.8896, 31.0306, 60.7032** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **48.6389, 56.1955, 34.6701**, and the grayscale version is **30.3618, 31.9429, 34.7859**.

A 20% lighter version of the original color is **64.2565, 61.0181, 102.9987**, and **14.7943, 12.9420, 30.1521** is the 20% darker color. If you saturate the color by 10%, you get **28.0708, 23.8702, 59.6283**, and if you desaturate by 10%, it is **40.7315, 39.5404, 61.9857**.

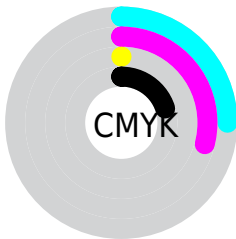
Distribution



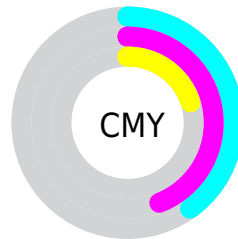
- Red (60%)
- Green (56%)
- Blue (80%)



- Red (60%)
- Yellow (56%)
- Blue (80%)



- Cyan (25%)
- Magenta (29%)
- Yellow (0%)
- Black (20%)



- Cyan (40%)
- Magenta (44%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8896, 31.0306, 60.7032 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 33.8896, 31.0306, 60.7032 by changing the saturation by 10% instead.

■ 33.8896, 31.0306,
60.7032

■ 33.8896, 31.0306,
60.7032

311.2341,
306.6793, 445.0613

■ 22.9713, 20.6222,
43.5567

■ 65.1074, 61.2882,
107.4024

■ 14.6929, 12.8481,
29.9875

■ 86.1376, 81.9062,
137.7922

■ 8.6890, 7.3240,
19.5771

111.2691,
106.6962, 173.4335

■ 4.5944, 3.6656,
11.9070

140.8673,
136.0425, 214.7448

■ 2.0436, 1.4883,
6.5586

175.2975,
170.3296, 262.1447

■ 0.6583, 0.2805,
3.1134

214.9252,

■ 0.0000, 0.0000,

209.9418, 316.0517

1.1528

260.1156,
255.2636, 376.8844

■ 0.0000, 0.0000,
0.0000

■ 33.8896, 31.0306,
60.7032

■ 33.8896, 31.0306,
60.7032

■ 28.0708, 23.8702,
59.6283

■ 40.7315, 39.5404,
61.9857

■ 23.2223, 17.9861,
58.7481

■ 48.6395, 49.4605,
63.4837

■ 19.2915, 13.3035,
58.0514

■ 57.6580, 60.8524,
65.2072

■ 16.2192, 9.7386,
57.5253

■ 67.8279, 73.7730,
67.1651

■ 13.9392, 7.1964,
57.1548

■ 79.1880, 88.2760,
69.3657

■ 12.3750, 5.5660,
56.9225

■ 87.7796, 97.0918,
70.6145

■ 11.4140, 4.6695,
56.8001

■ 11.3436, 4.6026,
56.7909

Harmonies

Analogous

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



29.3094, 31.0306, 65.3647



33.8896, 31.0306, 60.7032



37.5872, 31.0306, 48.4332

Triad

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



33.8896, 31.0306, 60.7032



34.2417, 31.0306, 16.6289



21.6147, 31.0306, 33.2610

Complementary

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



33.8896, 31.0306, 60.7032



48.6389, 56.1955, 34.6701

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.



22.6543, 31.0306, 22.4384



33.8896, 31.0306, 60.7032



29.6787, 31.0306, 14.4810

Square

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



33.8896, 31.0306, 60.7032



37.8047, 31.0306, 23.1428



25.4953, 31.0306, 16.3014



22.4997, 31.0306, 47.2779

Rectangle

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



33.8896, 31.0306, 60.7032



38.8886, 31.0306, 38.8743



25.4953, 31.0306, 16.3014



21.7485, 31.0306, 29.1642

Sweetspot

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



33.8906, 31.0318, 60.7039



81.3638, 82.7174, 106.2855



41.6072, 48.8923, 63.7446



16.9730, 17.1485, 22.6654



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.



33.8906, 31.0318, 60.7039



50.3154, 44.0288, 100.4542



40.1279, 34.2472, 60.9958



10.7584, 10.9248, 14.1120



7.2679, 2.9543, 36.1434



0.4269, 0.1792, 1.8670

Inverse Universe

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



44.3403, 36.5392, 55.7556



70.7658, 54.8156, 90.3725



41.8352, 52.6880, 34.3517



11.6111, 11.3732, 13.7529



20.4417, 9.9873, 25.8422



1.0750, 0.5234, 1.4407

Previews

White Background



This preview shows how the XYZ color 33.8896, 31.0306, 60.7032 looks on a white background.

Color Contrast Check

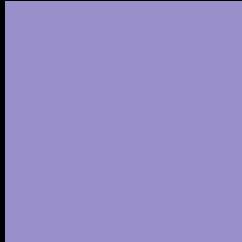
Large Text (above 18pt) WCAG AA × Fail

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 33.8896, 31.0306, 60.7032 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 33.8896, 31.0306, 60.7032

Background



This preview shows how black text looks on a background with the XYZ color 33.8896, 31.0306, 60.7032.



This preview shows how white text looks on a background with the XYZ color 33.8896, 31.0306,

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

33.8896, 31.0306, 60.7032

Protanopia

31.8414, 31.0682, 63.3500

Deuteranopia

31.8893, 31.1624, 60.2113



Tritanopia

29.6061, 31.1566, 39.5754

Trichromacy



Original Color

33.8896, 31.0306, 60.7032

Protanomaly

32.5588, 30.9864, 62.6575

Deuteranomaly

32.4221, 30.9713, 60.1464

Tritanomaly

30.9961, 31.0051, 46.4704

Monochromacy



Original Color

33.8896, 31.0306, 60.7032

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

31.3939, 31.5253, 42.9584

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8896, 31.0306, 60.7032 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(153, 144, 203)` looks like.

```
.text, #text, p{  
    color:rgb(153, 144, 203)  
}
```

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(153, 144, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 144, 203) }
```

Border

The CSS property to change the border of an element to XYZ 33.8896, 31.0306, 60.7032 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(153, 144, 203) }
```


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

```
.border{ border-color:rgb(153, 144, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 144, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 144, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 144, 203);  
box-shadow:4px 4px 4px 4px rgb(153, 144,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8896, 31.0306, 60.7032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 144, 203) }
```

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

```
.background{ background-color: rgb(153,  
144, 203) }
```

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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