

Converting Colors

XYZ(34.8126, 31.2243, 61.3190)

Have a look what the booklet for
XYZ(34.8126, 31.2243, 61.3190)
contains.

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Color

**XYZ(34.8221, 31.2737,
61.3278)**

Conversions

Conversions Part 1

Format	Color
Hex	9E8FCC
RGB	158, 143, 204
RGB Percent	62%, 56%, 80%
CMY	0.3804, 0.4392, 0.2000
CMYK	0.23, 0.30, 0.00, 0.20
HSL	255°, 37%, 68%
HSV	255°, 30%, 80%
XYZ	34.8221, 31.2737, 61.3278
YIQ	154.4390, -10.6410, 22.1510

Conversions

Conversions Part 2

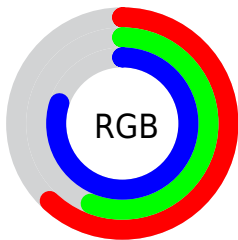
Format	Color
R _Y B	158, 143, 204
Decimal	10391500
CIE Lab	62.74, 18.39, -29.41
CIE LCh	63, 34.688, 302.009
Yxy	31.2737, 0.2733, 0.2454
Android (android.graphics.Color)	4288581580 (0xFF9E8FCC)
YUV	154.4390, 24.4336, 3.1230
Hunter-Lab	55.9229, 13.2834, -25.8743

Details

The XYZ color **34.8221, 31.2737, 61.3278** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **47.5380, 55.9884, 34.2893**, and the grayscale version is **30.8082, 32.4126, 35.2974**.

A 20% lighter version of the original color is **65.4568, 61.2986, 102.9896**, and **15.2451, 13.0340, 30.5665** is the 20% darker color. If you saturate the color by 10%, you get **29.1948, 24.2330, 60.2659**, and if you desaturate by 10%, it is **41.3872, 39.6259, 62.5944**.

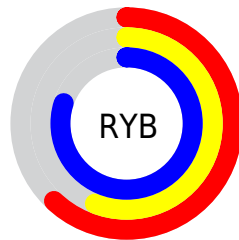
Distribution



Red (62%)

Green (56%)

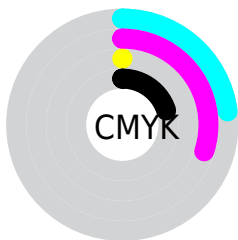
Blue (80%)



Red (62%)

Yellow (56%)

Blue (80%)

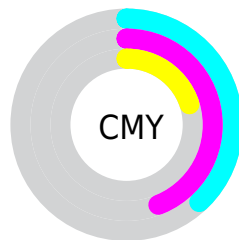


Cyan (23%)

Magenta (30%)

Yellow (0%)

Black (20%)



Cyan (38%)

Magenta (44%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8221, 31.2737, 61.3278 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 34.8221, 31.2737, 61.3278 by changing the saturation by 10% instead.

■ 34.8221, 31.2737,
61.3278

■ 34.8221, 31.2737,
61.3278

315.3042,
307.7973, 447.4147

■ 23.6917, 20.8074,
44.0575

■ 66.5459, 61.6707,
108.3156

■ 15.2286, 12.9833,
30.3782

■ 87.8701, 82.3702,
138.8701

■ 9.0673, 7.4170,
19.8713

■ 113.3229,
107.2495, 174.6898

■ 4.8426, 3.7242,
12.1184

143.2697,
136.6930, 216.1932

■ 2.1890, 1.5205,
6.7008

178.0759,
171.0852, 263.7989

■ 0.7369, 0.3031,
3.2001

218.1068,

■ 0.0000, 0.0000,

210.8103, 317.9253

1.1977

263.7278,
256.2529, 378.9911

■ 0.0000, 0.0000,
0.0000

■ 34.8221, 31.2737,
61.3278

■ 34.8221, 31.2737,
61.3278

■ 29.1948, 24.2330,
60.2659

■ 41.3872, 39.6259,
62.5944

■ 24.4579, 18.4325,
59.3960

■ 48.9281, 49.3485,
64.0736

■ 20.5648, 13.7996,
58.7069

■ 57.4845, 60.5014,
65.7754

■ 17.4627, 10.2526,
58.1858

■ 67.0928, 73.1397,
67.7084

■ 15.0927, 7.6988,
57.8178

■ 77.7878, 87.3156,
69.8810

■ 13.3867, 6.0294,
57.5854

■ 86.1930, 96.2601,
71.1644

■ 12.2324, 5.0502,
57.4573

■ 87.8992, 97.1397,
71.2443

■ 12.2226, 5.0419,
57.4562

Harmonies

Analogous

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



30.0453, 31.2737, 67.3664



34.8221, 31.2737, 61.3278



38.5209, 31.2737, 47.8305

Triad

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



34.8221, 31.2737, 61.3278



34.2108, 31.2737, 15.8122



21.5148, 31.2737, 34.9749

Complementary

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



34.8221, 31.2737, 61.3278



47.5380, 55.9884, 34.2893

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.



22.3812, 31.2737, 23.2114



34.8221, 31.2737, 61.3278



29.4064, 31.2737, 14.0598

Square

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



34.8221, 31.2737, 61.3278



38.1424, 31.2737, 22.0055



25.1508, 31.2737, 16.3672



22.6466, 31.2737, 49.8456

Rectangle

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



34.8221, 31.2737, 61.3278



39.6947, 31.2737, 37.8110



25.1508, 31.2737, 16.3672



21.5817, 31.2737, 30.5503

Sweetspot

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



34.8231, 31.2750, 61.3285



82.0777, 83.0855, 106.3189



40.5907, 46.9261, 64.0455



17.1476, 17.2385, 22.6735



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.



34.8231, 31.2750, 61.3285



51.3773, 43.8962, 100.3727



41.3959, 34.6633, 61.6361



10.8559, 10.9750, 14.1166



7.7648, 3.2104, 36.1667



0.4716, 0.2023, 1.8691

Inverse Universe

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



43.9105, 36.1576, 52.8100



68.9990, 53.3760, 83.3283



40.9028, 52.5679, 33.9788



11.5651, 11.3548, 13.5102



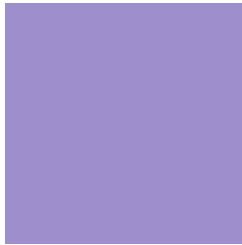
19.3748, 9.5605, 20.2240



1.0284, 0.5048, 1.1956

Previews

White Background



This preview shows how the XYZ color 34.8221, 31.2737, 61.3278 looks on a white background.

Color Contrast Check

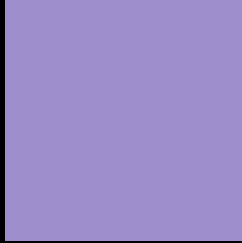
Large Text (above 18pt) WCAG AA × Fail

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 34.8221, 31.2737, 61.3278 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

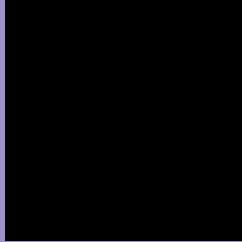
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.8221, 31.2737, 61.3278

Background



This preview shows how black text looks on a background with the XYZ color 34.8221, 31.2737, 61.3278.



This preview shows how white text looks on a background with the XYZ color 34.8221, 31.2737,

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

34.8221, 31.2737, 61.3278

Protanopia

32.2465, 31.4845, 64.6991

Deuteranopia

32.0082, 31.2100, 60.8370



Tritanopia

30.2551, 31.2616, 39.0898

Trichromacy



Original Color

34.8221, 31.2737, 61.3278

Protanomaly

33.0239, 31.2121, 63.3155

Deuteranomaly

32.8903, 31.1990, 60.7884

Tritanomaly

31.7627, 31.1665, 46.4611

Monochromacy



Original Color

34.8221, 31.2737, 61.3278

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.8703, 31.7598, 43.4802

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8221, 31.2737, 61.3278 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(158, 143, 204)` looks like.

```
.text, #text, p{  
    color:rgb(158, 143, 204)  
}
```

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(158, 143, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 143, 204) }
```

Border

The CSS property to change the border of an element to XYZ 34.8221, 31.2737, 61.3278 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(158, 143, 204) }
```


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

```
.border{ border-color:rgb(158, 143, 204) }
```

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

Here you see how a box with a 4 pixel rgb(158, 143, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 143, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 143, 204);  
box-shadow:4px 4px 4px 4px rgb(158, 143,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8221, 31.2737, 61.3278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 143, 204) }
```

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

```
.background{ background-color: rgb(158,  
143, 204) }
```

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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