

Converting Colors

XYZ(34.8377, 31.0790, 76.1970)

Have a look what the booklet for
XYZ(34.8377, 31.0790, 76.1970)
contains.

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Color

**XYZ(34.8561, 31.1883,
76.1343)**

Conversions

Conversions Part 1

Format	Color
Hex	8E90E2
RGB	142, 144, 226
RGB Percent	56%, 56%, 89%
CMY	0.4431, 0.4353, 0.1137
CMYK	0.37, 0.36, 0.00, 0.11
HSL	239°, 59%, 72%
HSV	239°, 37%, 89%
XYZ	34.8561, 31.1883, 76.1343
YIQ	152.7500, -27.5140, 25.0780

Conversions

Conversions Part 2

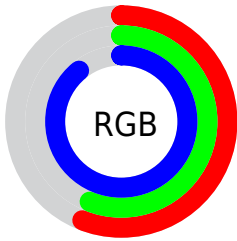
Format	Color
RYB	142, 144, 226
Decimal	9343202
CIELab	62.67, 18.81, -41.88
CIELCh	63, 45.915, 294.187
Yxy	31.1883, 0.2452, 0.2194
Android (android.graphics.Color)	4287533282 (0xFF8E90E2)
YUV	152.7500, 36.1123, -9.4277
Hunter-Lab	55.8465, 13.6779, -41.7362

Details

The XYZ color **34.8561, 31.1883, 76.1343** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **62.9033, 71.4345, 36.0657**, and the grayscale version is **30.0274, 31.5911, 34.4027**.

A 20% lighter version of the original color is **61.5328, 59.6139, 102.8713**, and **15.2829, 12.9824, 39.7306** is the 20% darker color. If you saturate the color by 10%, you get **28.3431, 23.3460, 74.9644**, and if you desaturate by 10%, it is **42.8104, 40.7440, 77.5601**.

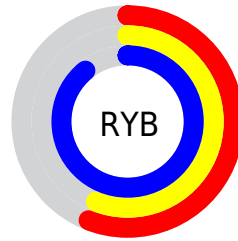
Distribution



Red (56%)

Green (56%)

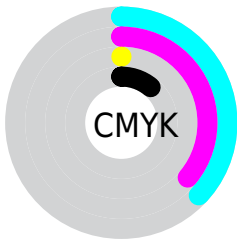
Blue (89%)



Red (56%)

Yellow (56%)

Blue (89%)

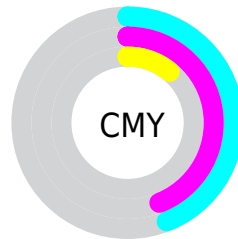


Cyan (37%)

Magenta (36%)

Yellow (0%)

Black (11%)



Cyan (44%)

Magenta (44%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8561, 31.1883, 76.1343 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 34.8561, 31.1883, 76.1343 by changing the saturation by 10% instead.

■ 34.8561, 31.1883,
76.1343

■ 34.8561, 31.1883,
76.1343

315.4519,
307.4049, 501.1664

■ 23.7180, 20.7423,
56.0353

■ 66.5983, 61.5364,
129.6786

■ 15.2482, 12.9357,
39.8271

■ 87.9331, 82.2073,
163.9609

■ 9.0812, 7.3843,
27.0910

113.3976,
107.0552, 203.8082

■ 4.8517, 3.7036,
17.4085

143.3570,
136.4646, 249.6388

■ 2.1944, 1.5092,
10.3612

178.1768,
170.8199, 301.8714

■ 0.7398, 0.2952,
5.5303

218.2223,

■ 0.0000, 0.0000,

210.5055, 360.9245

2.4975

263.8589,
255.9056, 427.2167

■ 0.0000, 0.0000,
0.8389

■ 0.0000, 0.0000,
0.0000

■ 34.8561, 31.1883,
76.1343

■ 34.8561, 31.1883,
76.1343

■ 28.3431, 23.3460,
74.9644

■ 42.8104, 40.7440,
77.5601

■ 23.1819, 17.1126,
74.0333

■ 52.2815, 52.1024,
79.2533

■ 19.2786, 12.3776,
73.3251

■ 63.3437, 65.3508,
81.2275

■ 16.5257, 9.0151,
72.8211

■ 76.0653, 80.5698,
83.4945

■ 14.7976, 6.8787,
72.4999

■ 90.5092, 97.8343,
86.0656

■ 13.9347, 5.7864,
72.3345

■ 90.7276, 98.2710,
86.1384

■ 13.7859, 5.6078,
72.3079

Harmonies

Analogous

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



28.4405, 31.1883, 81.1216



34.8561, 31.1883, 76.1343



40.5204, 31.1883, 58.4006

Triad

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



34.8561, 31.1883, 76.1343



37.2630, 31.1883, 12.9667



19.2048, 31.1883, 30.5839

Complementary

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



34.8561, 31.1883, 76.1343



62.9033, 71.4345, 36.0657

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.



20.9113, 31.1883, 17.5119



34.8561, 31.1883, 76.1343



30.8801, 31.1883, 9.9064

Square

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



34.8561, 31.1883, 76.1343



42.0413, 31.1883, 21.6980



24.9784, 31.1883, 11.2136



19.9596, 31.1883, 50.1391

Rectangle

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



34.8561, 31.1883, 76.1343



42.8050, 31.1883, 44.2505



24.9784, 31.1883, 11.2136



19.5011, 31.1883, 25.4010

Sweetspot

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



34.8572, 31.1895, 76.1350



77.3510, 78.8193, 105.7445



51.6990, 65.4828, 79.8687



16.1289, 16.3587, 22.5574



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.



34.8572, 31.1895, 76.1350



38.7269, 32.4562, 98.8313



42.5048, 34.6865, 76.4070



12.9781, 13.2953, 17.2699



7.8770, 3.2235, 41.2554



0.5553, 0.2422, 2.8627

Inverse Universe

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



46.0721, 37.5298, 31.2023



55.6111, 42.0719, 31.1684



52.5245, 66.8861, 35.7348



13.7204, 13.7058, 14.2978



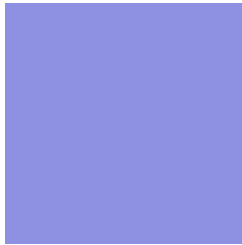
17.9161, 9.2335, 0.9582



1.2466, 0.6419, 0.0913

Previews

White Background



This preview shows how the XYZ color 34.8561, 31.1883, 76.1343 looks on a white background.

Color Contrast Check

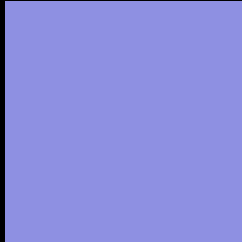
Large Text (above 18pt) WCAG AA × Fail

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 34.8561, 31.1883, 76.1343 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 34.8561, 31.1883, 76.1343

Background



This preview shows how black text looks on a background with the XYZ color 34.8561, 31.1883, 76.1343.



This preview shows how white text looks on a background with the XYZ color 34.8561, 31.1883,

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

34.8561, 31.1883, 76.1343

Protanopia

33.1988, 31.4190, 79.1776

Deuteranopia

32.1047, 31.1709, 75.5586



Tritanopia

28.0096, 31.2712, 41.6055

Trichromacy



Original Color

34.8561, 31.1883, 76.1343

Protanomaly

33.7825, 31.2704, 78.3840

Deuteranomaly

32.9329, 31.1281, 75.5067

Tritanomaly

30.2451, 31.1989, 52.5720

Monochromacy



Original Color

34.8561, 31.1883, 76.1343

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

31.5390, 31.4975, 47.5974

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8561, 31.1883, 76.1343 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(142, 144, 226)` looks like.

```
.text, #text, p{  
    color:rgb(142, 144, 226)  
}
```

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(142, 144, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 144, 226) }
```

Border

The CSS property to change the border of an element to XYZ 34.8561, 31.1883, 76.1343 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(142, 144, 226) }
```


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

```
.border{ border-color:rgb(142, 144, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 144, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 144, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 144, 226);  
box-shadow:4px 4px 4px 4px rgb(142, 144,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8561, 31.1883, 76.1343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 144, 226) }
```

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

```
.background{ background-color: rgb(142,  
144, 226) }
```

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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