

Converting Colors

XYZ(29.7981, 31.3436, 39.4198)

Have a look what the booklet for
XYZ(29.7981, 31.3436, 39.4198)
contains.

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Color

**XYZ(29.7831, 31.2478,
39.5836)**

Conversions

Conversions Part 1

Format	Color
Hex	9298A4
RGB	146, 152, 164
RGB Percent	57%, 60%, 64%
CMY	0.4274, 0.4039, 0.3569
CMYK	0.11, 0.07, 0.00, 0.36
HSL	220°, 9%, 61%
HSV	220°, 11%, 64%
XYZ	29.7831, 31.2478, 39.5836
YIQ	151.5740, -7.4280, 2.4600

Conversions

Conversions Part 2

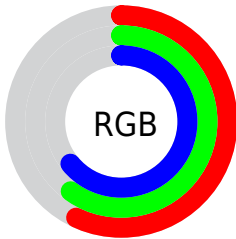
Format	Color
RYB	146, 151, 164
Decimal	9607332
CIELab	62.72, 0.32, -7.02
CIELCh	63, 7.030, 272.574
Yxy	31.2478, 0.2960, 0.3106
Android (android.graphics.Color)	4287797412 (0xFF9298A4)
YUV	151.5740, 6.1260, -4.8884
Hunter-Lab	55.8997, -2.7206, -2.8545

Details

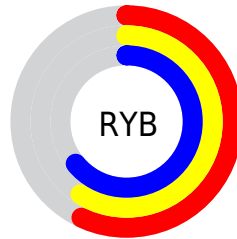
The XYZ color **29.7831, 31.2478, 39.5836** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.7251, 34.4212, 32.1138**, and the grayscale version is **29.6391, 31.1826, 33.9579**.

A 20% lighter version of the original color is **58.6769, 61.5364, 75.8030**, and **12.2976, 12.9101, 17.1730** is the 20% darker color. If you saturate the color by 10%, you get **25.3813, 26.4658, 38.8931**, and if you desaturate by 10%, it is **34.7685, 36.5751, 40.3496**.

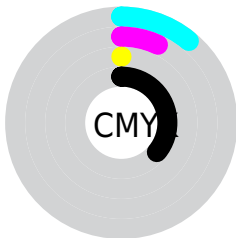
Distribution



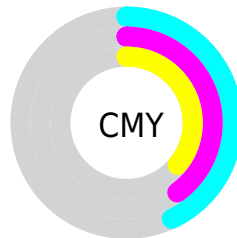
- Red (57%)
- Green (60%)
- Blue (64%)



- Red (57%)
- Yellow (59%)
- Blue (64%)



- Cyan (11%)
- Magenta (7%)
- Yellow (0%)
- Black (36%)



- Cyan (43%)
- Magenta (40%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7831, 31.2478, 39.5836 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 29.7831, 31.2478, 39.5836 by changing the saturation by 10% instead.

■ 29.7831, 31.2478,
39.5836

■ 29.7831, 31.2478,
39.5836

292.8201,
307.6783, 359.8651

■ 19.8213, 20.7876,
26.9027

■ 58.7080, 61.6300,
75.7592

■ 12.3727, 12.9688,
17.2684

■ 78.4017, 82.3208,
100.0909

■ 7.0720, 7.4071,
10.2620

102.0702,
107.1906, 129.1434

■ 3.5539, 3.7180,
5.4652

130.0787,
136.6238, 163.3351

■ 1.4530, 1.5171,
2.4592

162.7925,
171.0048, 203.0846

■ 0.2935, 0.3007,
0.8184

200.5772,

■ 0.0000, 0.0000,

210.7179, 248.8104

0.0000

243.7979,
256.1476, 300.9311

■ 29.7831, 31.2478,
39.5836

■ 29.7831, 31.2478,
39.5836

■ 25.3813, 26.4658,
38.8931

■ 34.7685, 36.5751,
40.3496

■ 21.5383, 22.2073,
38.2736

■ 40.3556, 42.4607,
41.1912

■ 18.2314, 18.4546,
37.7236

■ 46.5652, 48.9224,
42.1111

■ 15.4352, 15.1874,
37.2403

■ 53.4163, 55.9756,
43.1114

■ 13.1222, 12.3842,
36.8212

■ 60.9268, 63.6354,
44.1941

■ 11.2623, 10.0214,
36.4631

■ 69.1141, 71.9161,
45.3609

■ 9.8212, 8.0731,
36.1630

■ 75.8281, 79.7147,
46.5123

■ 8.7595, 6.5099,
35.9173

■ 78.9402, 85.9389,
47.5497

■ 8.0524, 5.3833,
35.7371

■ 82.2460, 92.5505,
48.6516

Harmonies

Analogous

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



28.8578, 31.2478, 38.9357



29.7831, 31.2478, 39.5836



30.7052, 31.2478, 38.6765

Triad

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



29.7831, 31.2478, 39.5836



31.2832, 31.2478, 31.2555



28.0914, 31.2478, 31.6459

Complementary

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



29.7831, 31.2478, 39.5836



32.7251, 34.4212, 32.1138

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.



28.7172, 31.2478, 29.7596



29.7831, 31.2478, 39.5836



30.5586, 31.2478, 29.5429

Square

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



29.7831, 31.2478, 39.5836



31.5829, 31.2478, 33.7866



29.6172, 31.2478, 29.0102



27.8937, 31.2478, 34.2616

Rectangle

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



29.7831, 31.2478, 39.5836



31.1905, 31.2478, 37.3390



29.6172, 31.2478, 29.0102



28.2580, 31.2478, 30.9104

Sweetspot

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



29.7840, 31.2491, 39.5843



61.1382, 64.2946, 72.9401



31.2757, 35.1207, 37.3436



13.2065, 13.8863, 15.9218



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



29.7840, 31.2491, 39.5843



52.1578, 54.6663, 71.5550



29.3200, 29.6000, 39.2904



6.8845, 7.2280, 8.9354



6.2141, 4.2077, 27.4144



0.1726, 0.1724, 0.5900

Inverse Universe

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



31.2569, 30.7179, 33.9890



55.3464, 53.5625, 59.4314



33.2227, 36.2350, 32.4377



7.1667, 7.1231, 7.8641



12.2821, 6.2689, 3.4101



0.2793, 0.1402, 0.1833

Previews

White Background



This preview shows how the XYZ color 29.7831, 31.2478, 39.5836 looks on a white background.

Color Contrast Check

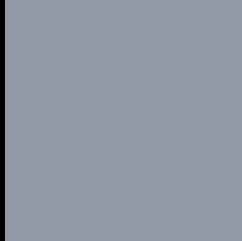
Large Text (above 18pt) WCAG AA × Fail

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 29.7831, 31.2478, 39.5836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

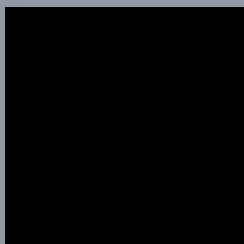
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

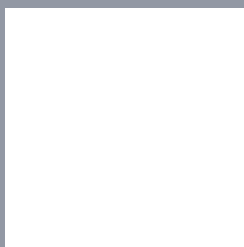
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7831, 31.2478, 39.5836

Background



This preview shows how black text looks on a background with the XYZ color 29.7831, 31.2478, 39.5836.

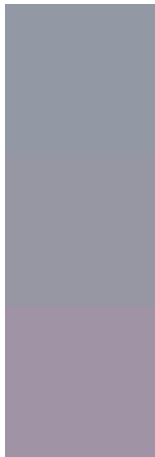


This preview shows how white text looks on a background with the XYZ color 29.7831, 31.2478,

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

29.7831, 31.2478, 39.5836

Protanopia

30.4400, 31.3569, 39.0985

Deuteranopia

31.7225, 31.0576, 39.9201



Tritanopia

29.7831, 31.2478, 39.5836

Trichromacy



Original Color

29.7831, 31.2478, 39.5836

Protanomaly

30.0719, 31.1671, 39.0812

Deuteranomaly

31.0565, 31.1801, 39.9788

Tritanomaly

29.7831, 31.2478, 39.5836

Monochromacy



Original Color

29.7831, 31.2478, 39.5836

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.8067, 31.3408, 35.9309

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7831, 31.2478, 39.5836 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(146, 152, 164) looks like.

```
.text, #text, p{  
    color:rgb(146, 152, 164)  
}
```

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(146, 152, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 152, 164) }
```

Border

The CSS property to change the border of an element to XYZ 29.7831, 31.2478, 39.5836 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(146, 152, 164) }
```


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

```
.border{ border-color:rgb(146, 152, 164) }
```

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

Here you see how a box with a 4 pixel rgb(146, 152, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 152, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 152, 164);  
box-shadow:4px 4px 4px 4px rgb(146, 152,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7831, 31.2478, 39.5836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 152, 164) }
```

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

```
.background{ background-color: rgb(146,  
152, 164) }
```

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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