

Converting Colors

XYZ(31.2459, 31.2562, 39.7780)

Have a look what the booklet for
XYZ(31.2459, 31.2562, 39.7780)
contains.

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Color

**XYZ(31.2493, 31.2794,
39.9878)**

Conversions

Conversions Part 1

Format	Color
Hex	9C95A5
RGB	156, 149, 165
RGB Percent	61%, 58%, 65%
CMY	0.3882, 0.4157, 0.3529
CMYK	0.05, 0.10, 0.00, 0.35
HSL	266°, 8%, 62%
HSV	266°, 10%, 65%
XYZ	31.2493, 31.2794, 39.9878
YIQ	152.9170, -0.9640, 6.4600

Conversions

Conversions Part 2

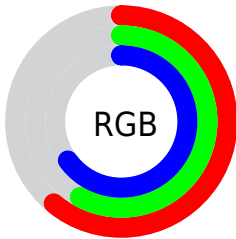
Format	Color
R_{YB}	156, 149, 165
Decimal	10261925
CIE _{Lab}	62.74, 5.69, -7.46
CIE _{LCh}	63, 9.381, 307.305
Y _{xy}	31.2794, 0.3048, 0.3051
Android (android.graphics.Color)	4288452005 (0xFF9C95A5)
Y _{UV}	152.9170, 5.9569, 2.7038
Hunter-Lab	55.9280, 1.8614, -3.2420

Details

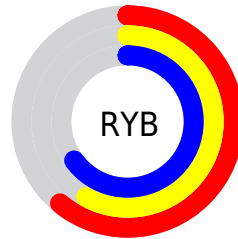
The XYZ color **31.2493, 31.2794, 39.9878** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.9815, 36.3501, 33.7132**, and the grayscale version is **30.2182, 31.7918, 34.6213**.

A 20% lighter version of the original color is **61.1382, 61.7281, 76.4025**, and **13.1740, 12.9309, 17.4243** is the 20% darker color. If you saturate the color by 10%, you get **27.0937, 25.5332, 39.0982**, and if you desaturate by 10%, it is **35.9139, 37.8388, 41.0085**.

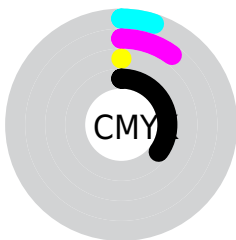
Distribution



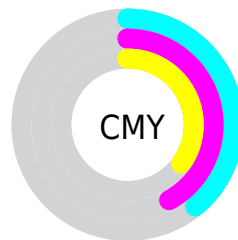
- Red (61%)
- Green (58%)
- Blue (65%)



- Red (61%)
- Yellow (58%)
- Blue (65%)



- Cyan (5%)
- Magenta (10%)
- Yellow (0%)
- Black (35%)



- Cyan (39%)
- Magenta (42%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2493, 31.2794, 39.9878 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 31.2493, 31.2794, 39.9878 by changing the saturation by 10% instead.

■ 31.2493, 31.2794,
39.9878

■ 31.2493, 31.2794,
39.9878

299.4916,
307.8235, 361.6227

■ 20.9415, 20.8117,
27.2153

■ 61.0055, 61.6797,
76.3818

■ 13.1935, 12.9864,
17.5011

■ 81.1847, 82.3811,
100.8404

■ 7.6398, 7.4192,
10.4267

105.3850,
107.2625, 130.0315

■ 3.9152, 3.7256,
5.5735

133.9719,
136.7083, 164.3736

■ 1.6543, 1.5213,
2.5230

167.3106,
171.1029, 204.2852

■ 0.4274, 0.3036,
0.8523

205.7666,

■ 0.0000, 0.0000,

210.8307, 250.1849

0.0000

249.7051,
256.2761, 302.4912

■ 31.2493, 31.2794,
39.9878

■ 31.2493, 31.2794,
39.9878

■ 27.0937, 25.5332,
39.0982

■ 35.9139, 37.8388,
41.0085

■ 23.4257, 20.5636,
38.3323

■ 41.1023, 45.2379,
42.1632

■ 20.2267, 16.3372,
37.6851

■ 46.8319, 53.5071,
43.4574

■ 17.4754, 12.8166,
37.1506

■ 53.1186, 62.6741,
44.8954

■ 15.1489, 9.9609,
36.7220

■ 59.9777, 72.7652,
46.4817

■ 13.2220, 7.7250,
36.3920

■ 67.4238, 83.8057,
48.2203

■ 11.6665, 6.0580,
36.1522

■ 72.3634, 89.6052,
49.0793

■ 10.4495, 4.9000,
35.9928

■ 75.2680, 91.1026,
49.2153

■ 9.5041, 4.1231,
35.8927

■ 78.3313, 92.6818,
49.3586

Harmonies

Analogous

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



30.0447, 31.2794, 41.5514



31.2493, 31.2794, 39.9878



32.0629, 31.2794, 36.8551

Triad

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



31.2493, 31.2794, 39.9878



30.6914, 31.2794, 27.9511



27.3515, 31.2794, 34.9636

Complementary

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



31.2493, 31.2794, 39.9878



32.9815, 36.3501, 33.7132

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.



27.5134, 31.2794, 31.4061



31.2493, 31.2794, 39.9878



29.4178, 31.2794, 27.5243

Square

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



31.2493, 31.2794, 39.9878



31.7343, 31.2794, 29.9559



28.2610, 31.2794, 28.7454



27.8121, 31.2794, 38.5183

Rectangle

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



31.2493, 31.2794, 39.9878



32.2611, 31.2794, 34.3910



28.2610, 31.2794, 28.7454



27.3351, 31.2794, 33.7271

Sweetspot

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



31.2502, 31.2807, 39.9885



61.4092, 63.6546, 72.8023



31.4253, 33.5837, 40.4238



13.2804, 13.7121, 15.8843



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.



31.2502, 31.2807, 39.9885



54.0026, 53.2876, 71.1916



32.8359, 32.0982, 40.0627



6.9807, 7.0044, 8.8871



7.2252, 3.1312, 27.1534



0.2057, 0.0936, 0.5731

Inverse Universe

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



32.4371, 31.9642, 36.8092



56.6536, 54.8147, 64.0667



31.4710, 35.5713, 33.6425



7.2328, 7.1496, 8.2122



13.2530, 6.6572, 8.5228



0.3017, 0.1492, 0.3012

Previews

White Background



This preview shows how the XYZ color 31.2493, 31.2794, 39.9878 looks on a white background.

Color Contrast Check

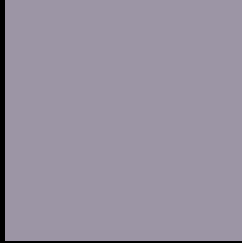
Large Text (above 18pt) WCAG AA × Fail

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 31.2493, 31.2794, 39.9878 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

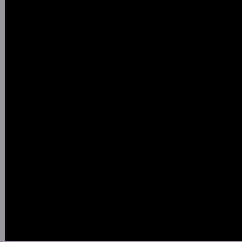
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.2493, 31.2794, 39.9878

Background



This preview shows how black text looks on a background with the XYZ color 31.2493, 31.2794, 39.9878.



This preview shows how white text looks on a background with the XYZ color 31.2493, 31.2794,

39.9878.

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

31.2493, 31.2794, 39.9878

Protanopia

30.5272, 31.3704, 40.5225

Deuteranopia

31.8786, 31.3700, 39.9721



Tritanopia

30.8569, 31.3545, 38.1439

Trichromacy



Original Color

31.2493, 31.2794, 39.9878

Protanomaly

30.7382, 31.2413, 40.4865

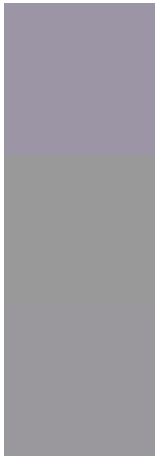
Deuteranomaly

31.6795, 31.2673, 39.9628

Tritanomaly

30.9455, 31.3899, 38.6103

Monochromacy



Original Color

31.2493, 31.2794, 39.9878

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.6405, 31.7608, 36.4138

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2493, 31.2794, 39.9878 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(156, 149, 165)` looks like.

```
.text, #text, p{  
    color:rgb(156, 149, 165)  
}
```

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(156, 149, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 149, 165) }
```

Border

The CSS property to change the border of an element to XYZ 31.2493, 31.2794, 39.9878 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(156, 149, 165) }
```


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

```
.border{ border-color:rgb(156, 149, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 149, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 149, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 149, 165);  
box-shadow:4px 4px 4px 4px rgb(156, 149,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2493, 31.2794, 39.9878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 149, 165) }
```

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

```
.background{ background-color: rgb(156,  
149, 165) }
```

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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