

Converting Colors

XYZ(28.6362, 31.0078, 40.6654)

Have a look what the booklet for
XYZ(28.6362, 31.0078, 40.6654)
contains.

XYZ(28.7551, 31.1827, 40.5797)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.7551, 31.1827,
40.5797)**

Conversions

Conversions Part 1

Format	Color
Hex	899AA6
RGB	137, 154, 166
RGB Percent	54%, 60%, 65%
CMY	0.4627, 0.3961, 0.3490
CMYK	0.17, 0.07, 0.00, 0.35
HSL	205°, 14%, 59%
HSV	205°, 17%, 65%
XYZ	28.7551, 31.1827, 40.5797
YIQ	150.2850, -13.9840, 0.1280

Conversions

Conversions Part 2

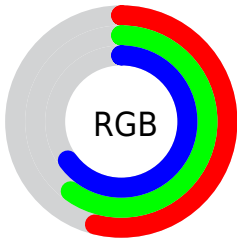
Format	Color
RYB	137, 148, 166
Decimal	9018022
CIELab	62.66, -3.40, -8.30
CIElCh	63, 8.975, 247.726
Yxy	31.1827, 0.2861, 0.3102
Android (android.graphics.Color)	4287208102 (0xFF899AA6)
YUV	150.2850, 7.7475, -11.6509
Hunter-Lab	55.8415, -5.8055, -3.9967

Details

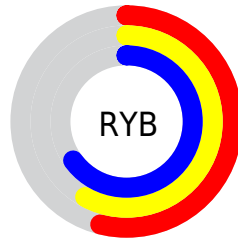
The XYZ color **28.7551, 31.1827, 40.5797** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.9891, 31.4082, 28.0968**, and the grayscale version is **29.0836, 30.5982, 33.3214**.

A 20% lighter version of the original color is **57.0929, 61.4086, 77.2505**, and **11.8180, 12.9416, 17.7947** is the 20% darker color. If you saturate the color by 10%, you get **25.1394, 27.6845, 40.0956**, and if you desaturate by 10%, it is **32.8562, 35.0290, 41.1065**.

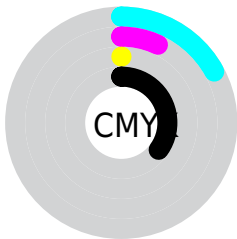
Distribution



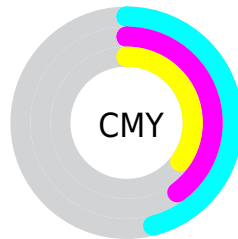
- Red (54%)
- Green (60%)
- Blue (65%)



- Red (54%)
- Yellow (58%)
- Blue (65%)



- Cyan (17%)
- Magenta (7%)
- Yellow (0%)
- Black (35%)



- Cyan (46%)
- Magenta (40%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7551, 31.1827, 40.5797 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 28.7551, 31.1827, 40.5797 by changing the saturation by 10% instead.

■ 28.7551, 31.1827,
40.5797

■ 28.7551, 31.1827,
40.5797

288.0728,
307.3791, 364.1854

■ 19.0390, 20.7380,
27.6736

■ 57.0880, 61.5276,
77.2922

■ 11.8026, 12.9326,
17.8429

■ 76.4355, 82.1966,
101.9356

■ 6.6807, 7.3822,
10.6690

■ 99.7242, 107.0425,
131.3286

■ 3.3077, 3.7022,
5.7333

127.3194,
136.4497, 165.8897

■ 1.3185, 1.5084,
2.6175

159.5866,
170.8025, 206.0373

■ 0.1970, 0.2947,
0.9015

196.8909,

■ 0.0000, 0.0000,

210.4855, 252.1901

0.0000

239.5979,
255.8829, 304.7666

■ 28.7551, 31.1827,
40.5797

■ 28.7551, 31.1827,
40.5797

■ 25.1394, 27.6845,
40.0956

■ 32.8562, 35.0290,
41.1065

■ 21.9861, 24.5187,
39.6507

■ 37.4589, 39.2309,
41.6749

■ 19.2746, 21.6736,
39.2444

■ 42.5819, 43.8004,
42.2869

■ 16.9813, 19.1356,
38.8754

■ 48.2422, 48.7478,
42.9435

■ 15.0804, 16.8894,
38.5421

■ 54.4558, 54.0827,
43.6458

■ 13.5427, 14.9184,
38.2427

■ 61.2382, 59.8146,
44.3947

■ 12.3346, 13.2034,
37.9753

■ 68.6042, 65.9525,
45.1912

■ 11.4030, 11.7151,
37.7371

■ 70.9107, 69.5886,
45.7714

■ 11.1874, 11.3619,
37.6803

■ 72.6318, 73.0307,
46.3451

Harmonies

Analogous

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



27.8154, 31.1827, 38.2462



28.7551, 31.1827, 40.5797



29.9558, 31.1827, 41.0792

Triad

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



28.7551, 31.1827, 40.5797



32.0320, 31.1827, 33.0545



28.2213, 31.1827, 28.8957

Complementary

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



28.7551, 31.1827, 40.5797



30.9891, 31.4082, 28.0968

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.



29.3229, 31.1827, 27.7020



28.7551, 31.1827, 40.5797



31.5389, 31.1827, 29.9931

Square

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



28.7551, 31.1827, 40.5797



31.8699, 31.1827, 36.5720



30.5392, 31.1827, 28.0895



27.5132, 31.1827, 31.4615

Rectangle

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



28.7551, 31.1827, 40.5797



30.7467, 31.1827, 40.2753



30.5392, 31.1827, 28.0895



28.5567, 31.1827, 28.3290

Sweetspot

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



28.7560, 31.1840, 40.5804



61.5313, 65.3262, 74.8414



29.3464, 34.7486, 33.4278



13.6473, 14.5063, 16.7328



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



28.7560, 31.1840, 40.5804



49.5124, 54.0313, 73.2948



26.5637, 26.7993, 39.8496



7.4834, 8.0038, 9.5688



8.7220, 8.9042, 29.2345



0.2608, 0.3139, 0.7275

Inverse Universe

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



30.5051, 28.3322, 34.4341



53.3314, 48.0006, 59.8305



33.3568, 36.1436, 28.8861



7.7086, 7.6133, 8.7828



13.9031, 6.9699, 9.5670



0.3628, 0.1794, 0.3620

Previews

White Background



This preview shows how the XYZ color 28.7551, 31.1827, 40.5797 looks on a white background.

Color Contrast Check

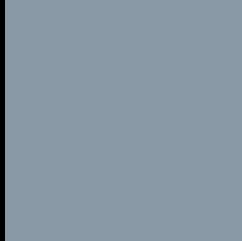
Large Text (above 18pt) WCAG AA × Fail

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 28.7551, 31.1827, 40.5797 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

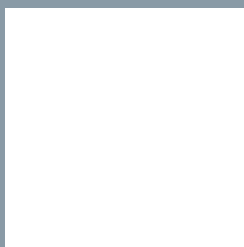
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.7551, 31.1827, 40.5797

Background



This preview shows how black text looks on a background with the XYZ color 28.7551, 31.1827, 40.5797.

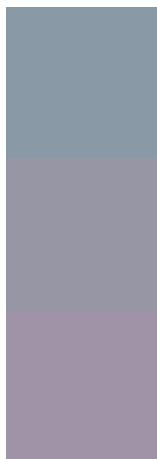


This preview shows how white text looks on a background with the XYZ color 28.7551, 31.1827,

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

28.7551, 31.1827, 40.5797

Protanopia

30.1849, 30.9771, 39.5102

Deuteranopia

31.7068, 31.0284, 40.8772



Tritanopia

28.7551, 31.1827, 40.5797

Trichromacy



Original Color

28.7551, 31.1827, 40.5797

Protanomaly

29.5352, 30.8696, 39.9991

Deuteranomaly

30.6439, 31.1820, 40.9628

Tritanomaly

28.7551, 31.1827, 40.5797

Monochromacy



Original Color

28.7551, 31.1827, 40.5797

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.7444, 30.5533, 35.8349

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7551, 31.1827, 40.5797 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(137, 154, 166)` looks like.

```
.text, #text, p{  
    color:rgb(137, 154, 166)  
}
```

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(137, 154, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 154, 166) }
```

Border

The CSS property to change the border of an element to XYZ 28.7551, 31.1827, 40.5797 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(137, 154, 166) }
```


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

```
.border{ border-color:rgb(137, 154, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 154, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 154, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 154, 166); box-shadow:4px 4px 4px 4px rgb(137, 154, 166) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7551, 31.1827, 40.5797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 154, 166) }
```

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

```
.background{ background-color: rgb(137,  
154, 166) }
```

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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