

Converting Colors

XYZ(28.6132, 31.2096, 43.0458)

Have a look what the booklet for
XYZ(28.6132, 31.2096, 43.0458)
contains.

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Color

**XYZ(28.7449, 31.3695,
43.0680)**

Conversions

Conversions Part 1

Format	Color
Hex	859BAB
RGB	133, 155, 171
RGB Percent	52%, 61%, 67%
CMY	0.4784, 0.3921, 0.3294
CMYK	0.22, 0.09, 0.00, 0.33
HSL	205°, 18%, 60%
HSV	205°, 22%, 67%
XYZ	28.7449, 31.3695, 43.0680
YIQ	150.2460, -18.2480, 0.3120

Conversions

Conversions Part 2

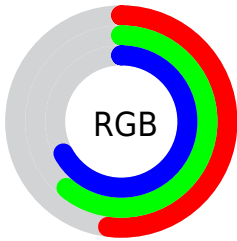
Format	Color
RYB	133, 147, 171
Decimal	8756139
CIELab	62.82, -4.12, -10.92
CIELCh	63, 11.669, 249.340
Yxy	31.3695, 0.2786, 0.3040
Android (android.graphics.Color)	4286946219 (0xFF859BAB)
YUV	150.2460, 10.2317, -15.1247
Hunter-Lab	56.0085, -6.4043, -6.3854

Details

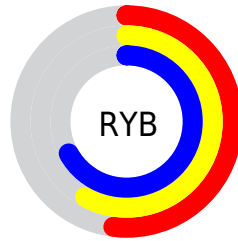
The XYZ color **28.7449, 31.3695, 43.0680** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.7760, 31.8464, 26.6632**, and the grayscale version is **29.0581, 30.5713, 33.2922**.

A 20% lighter version of the original color is **57.0214, 61.6567, 80.8471**, and **11.8474, 13.0715, 19.3514** is the 20% darker color. If you saturate the color by 10%, you get **25.0994, 27.7649, 42.5649**, and if you desaturate by 10%, it is **32.9033, 35.3461, 43.6169**.

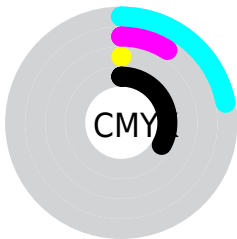
Distribution



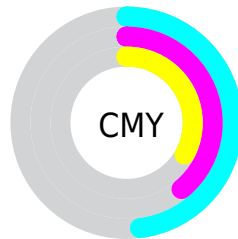
- Red (52%)
- Green (61%)
- Blue (67%)



- Red (52%)
- Yellow (58%)
- Blue (67%)



- Cyan (22%)
- Magenta (9%)
- Yellow (0%)
- Black (33%)



- Cyan (48%)
- Magenta (39%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7449, 31.3695, 43.0680 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 28.7449, 31.3695, 43.0680 by changing the saturation by 10% instead.

■ 28.7449, 31.3695,
43.0680

■ 28.7449, 31.3695,
43.0680

288.0254,
308.2370, 374.8208

■ 19.0312, 20.8804,
29.6067

■ 57.0719, 61.8213,
81.1009

■ 11.7970, 13.0366,
19.2907

■ 76.4160, 82.5529,
106.5096

■ 6.6768, 7.4537,
11.7016

■ 99.7009, 107.4673,
136.7378

■ 3.3053, 3.7475,
6.4208

127.2919,
136.9490, 172.2041

■ 1.3172, 1.5333,
3.0297

159.5546,
171.3825, 213.3270

■ 0.1960, 0.3120,
1.1098

196.8541,

■ 0.0000, 0.0000,

211.1520, 260.5250

0.0000

239.5559,
256.6421, 314.2168

■ 28.7449, 31.3695,
43.0680

■ 28.7449, 31.3695,
43.0680

■ 25.0994, 27.7649,
42.5649

■ 32.9033, 35.3461,
43.6169

■ 21.9414, 24.5152,
42.1041

■ 37.5927, 39.7035,
44.2108

■ 19.2477, 21.6071,
41.6847

■ 42.8339, 44.4549,
44.8517

■ 16.9917, 19.0251,
41.3053

■ 48.6455, 49.6117,
45.5407

■ 15.1440, 16.7519,
40.9639

■ 55.0455, 55.1847,
46.2791

■ 13.6710, 14.7683,
40.6587

■ 62.0506, 61.1843,
47.0680

■ 12.5330, 13.0517,
40.3873

■ 69.6773, 67.6205,
47.9083

■ 11.8134, 11.8656,
40.1963

■ 72.2839, 71.5865,
48.5364

■ 74.1306, 75.2800,
49.1520

Harmonies

Analogous

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



27.5023, 31.3695, 40.0428



28.7449, 31.3695, 43.0680



30.3171, 31.3695, 43.5944

Triad

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



28.7449, 31.3695, 43.0680



32.9512, 31.3695, 32.7479



27.9103, 31.3695, 27.7931

Complementary

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



28.7449, 31.3695, 43.0680



31.7760, 31.8464, 26.6632

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.



29.3199, 31.3695, 26.1889



28.7449, 31.3695, 43.0680



32.2555, 31.3695, 28.8765

Square

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



28.7449, 31.3695, 43.0680



32.7838, 31.3695, 37.3554



30.9129, 31.3695, 26.5670



27.0325, 31.3695, 31.1448

Rectangle

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



28.7449, 31.3695, 43.0680



31.3466, 31.3695, 42.4145



30.9129, 31.3695, 26.5670



28.3356, 31.3695, 27.0458

Sweetspot

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



28.7458, 31.3708, 43.0687



63.0873, 67.1935, 78.6465



29.6479, 36.2776, 33.8044



13.9621, 14.8853, 17.5250



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



28.7458, 31.3708, 43.0687



47.9377, 52.7076, 76.6489



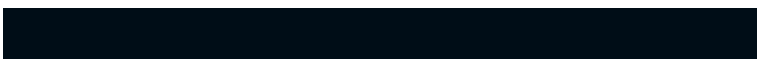
25.8519, 25.5829, 42.1041



7.9495, 8.4983, 10.1741



8.9584, 9.0507, 30.3193



0.3018, 0.3569, 0.8610

Inverse Universe

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



31.0993, 27.8003, 34.7386



53.0258, 45.3435, 58.5599



35.0007, 38.2957, 27.7381



8.1923, 8.0902, 9.3235



14.3854, 7.2167, 9.6751



0.4267, 0.2114, 0.4089

Previews

White Background



This preview shows how the XYZ color 28.7449, 31.3695, 43.0680 looks on a white background.

Color Contrast Check

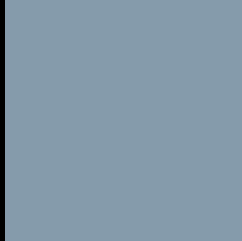
Large Text (above 18pt) WCAG AA × Fail

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 28.7449, 31.3695, 43.0680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

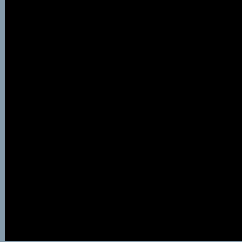
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

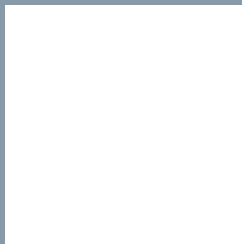
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.7449, 31.3695, 43.0680

Background



This preview shows how black text looks on a background with the XYZ color 28.7449, 31.3695, 43.0680.



This preview shows how white text looks on a background with the XYZ color 28.7449, 31.3695,

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

28.7449, 31.3695, 43.0680

Protanopia

30.5289, 31.3499, 41.4879

Deuteranopia

31.9409, 31.3265, 43.3929



Tritanopia

28.4721, 31.5096, 41.6271

Trichromacy



Original Color

28.7449, 31.3695, 43.0680

Protanomaly

29.7174, 31.1607, 41.9845

Deuteranomaly

30.7257, 31.4077, 43.4726

Tritanomaly

28.5656, 31.5470, 42.1197

Monochromacy



Original Color

28.7449, 31.3695, 43.0680

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.9014, 30.8544, 36.7800

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7449, 31.3695, 43.0680 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(133, 155, 171)` looks like.

```
.text, #text, p{  
    color:rgb(133, 155, 171)  
}
```

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(133, 155, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 155, 171) }
```

Border

The CSS property to change the border of an element to XYZ 28.7449, 31.3695, 43.0680 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(133, 155, 171) }
```


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

```
.border{ border-color:rgb(133, 155, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 155, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 155, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 155, 171);  
box-shadow:4px 4px 4px 4px rgb(133, 155,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7449, 31.3695, 43.0680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 155, 171) }
```

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

```
.background{ background-color: rgb(133,  
155, 171) }
```

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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