

Converting Colors

XYZ(27.7109, 31.0017, 44.5312)

Have a look what the booklet for
XYZ(27.7109, 31.0017, 44.5312)
contains.

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Color

**XYZ(27.6968, 31.0439,
44.5767)**

Conversions

Conversions Part 1

Format	Color
Hex	7B9CAE
RGB	123, 156, 174
RGB Percent	48%, 61%, 68%
CMY	0.5176, 0.3882, 0.3176
CMYK	0.29, 0.10, 0.00, 0.32
HSL	201°, 24%, 58%
HSV	201°, 29%, 68%
XYZ	27.6968, 31.0439, 44.5767
YIQ	148.1850, -25.4460, -1.3980

Conversions

Conversions Part 2

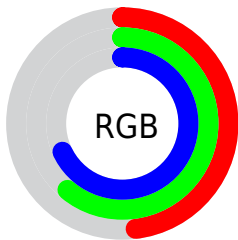
Format	Color
R_{YB}	123, 143, 174
Decimal	8101038
CIE _{Lab}	62.54, -7.07, -13.08
CIE _{LCh}	63, 14.871, 241.626
Yxy	31.0439, 0.2681, 0.3005
Android (android.graphics.Color)	4286291118 (0xFF7B9CAE)
YUV	148.1850, 12.7268, -22.0872
Hunter-Lab	55.7171, -8.7730, -8.4333

Details

The XYZ color **27.6968, 31.0439, 44.5767** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **30.5559, 29.4786, 22.8190**, and the grayscale version is **28.1824, 29.6501, 32.2889**.

A 20% lighter version of the original color is **55.3209, 61.0974, 83.0060**, and **11.2369, 12.8860, 20.3074** is the 20% darker color. If you saturate the color by 10%, you get **24.4212, 27.8647, 44.1362**, and if you desaturate by 10%, it is **31.4689, 34.5578, 45.0567**.

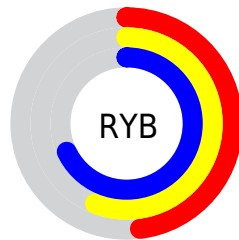
Distribution



Red (48%)

Green (61%)

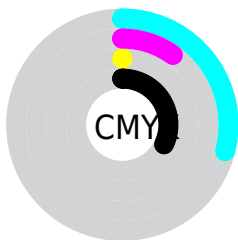
Blue (68%)



Red (48%)

Yellow (56%)

Blue (68%)

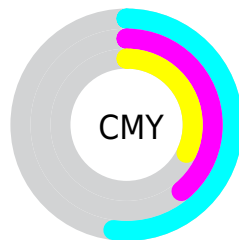


Cyan (29%)

Magenta (10%)

Yellow (0%)

Black (32%)



Cyan (52%)

Magenta (39%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.6968, 31.0439, 44.5767 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 27.6968, 31.0439, 44.5767 by changing the saturation by 10% instead.

■ 27.6968, 31.0439,
44.5767

■ 27.6968, 31.0439,
44.5767

283.1217,
306.7405, 381.1665

■ 18.2365, 20.6323,
30.7836

■ 55.4120, 61.3092,
83.3965

■ 11.2206, 12.8555,
20.1771

■ 74.3977, 81.9316,
109.2604

■ 6.2838, 7.3291,
12.3385

■ 97.2892, 106.7265,
139.9849

■ 3.0607, 3.6688,
6.8493

124.4519,
136.0781, 175.9886

■ 1.1860, 1.4901,
3.2910

156.2511,
170.3710, 217.6901

■ 0.0952, 0.2817,
1.2451

193.0523,

■ 0.0000, 0.0000,

209.9894, 265.5079

0.0161

235.2207,
255.3178, 319.8605

■ 0.0000, 0.0000,
0.0000

■ 27.6968, 31.0439,
44.5767

■ 27.6968, 31.0439,
44.5767

■ 24.4212, 27.8647,
44.1362

■ 31.4689, 34.5578,
45.0567

■ 21.6149, 25.0030,
43.7318

■ 35.7569, 38.4155,
45.5753

■ 19.2526, 22.4452,
43.3626

■ 40.5830, 42.6300,
46.1344

■ 17.3051, 20.1751,
43.0270

■ 45.9668, 47.2126,
46.7352

■ 15.7394, 18.1745,
42.7234

■ 51.9272, 52.1741,
47.3787

■ 14.5168, 16.4222,
42.4496

■ 58.4819, 57.5247,
48.0660

■ 13.5624, 14.8783,
42.2019

■ 65.6480, 63.2741,
48.7980

■ 13.5001, 14.7761,
42.1855

■ 70.7420, 68.0399,
49.4494

■ 72.2411, 71.0381,
49.9491

Harmonies

Analogous

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



26.3178, 31.0439, 39.9836



27.6968, 31.0439, 44.5767



29.6168, 31.0439, 46.1994

Triad

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



27.6968, 31.0439, 44.5767



33.5662, 31.0439, 33.4865



27.5140, 31.0439, 25.1786

Complementary

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



27.6968, 31.0439, 44.5767



30.5559, 29.4786, 22.8190

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.



29.3961, 31.0439, 23.8474



27.6968, 31.0439, 44.5767



32.9425, 31.0439, 28.2920

Square

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



27.6968, 31.0439, 44.5767



33.0614, 31.0439, 39.3745



31.3929, 31.0439, 24.9198



26.2156, 31.0439, 28.7809

Rectangle

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



27.6968, 31.0439, 44.5767



30.9626, 31.0439, 45.2462



31.3929, 31.0439, 24.9198



28.0963, 31.0439, 24.4705

Sweetspot

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



27.6977, 31.0451, 44.5774



64.9832, 69.7912, 82.6829



28.1016, 36.4023, 30.6867



14.1820, 15.2800, 18.3462



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



27.6977, 31.0451, 44.5774



46.3884, 52.6033, 80.3454



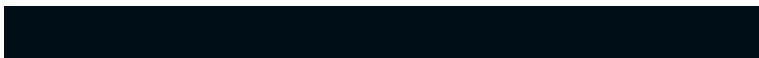
23.8784, 23.4064, 43.3043



7.9949, 8.5891, 10.1892



9.8489, 10.8317, 30.6162



0.3229, 0.3991, 0.8680

Inverse Universe

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



30.5400, 25.5656, 34.7789



52.4764, 41.4712, 59.2218



34.7312, 37.8292, 24.2108



8.2152, 8.0993, 9.4442



14.8349, 7.3965, 12.0421



0.4374, 0.2156, 0.4650

Previews

White Background



This preview shows how the XYZ color 27.6968, 31.0439, 44.5767 looks on a white background.

Color Contrast Check

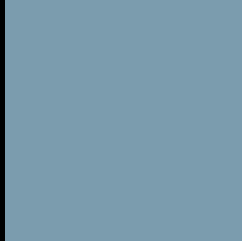
Large Text (above 18pt) WCAG AA × Fail

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 27.6968, 31.0439, 44.5767 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

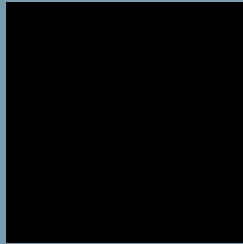
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.6968, 31.0439, 44.5767

Background



This preview shows how black text looks on a background with the XYZ color 27.6968, 31.0439, 44.5767.



This preview shows how white text looks on a background with the XYZ color 27.6968, 31.0439,

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

27.6968, 31.0439, 44.5767

Protanopia

30.3748, 31.0109, 42.4150

Deuteranopia

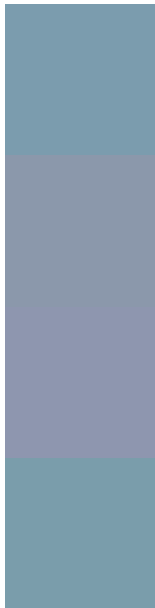
31.4071, 30.7743, 45.3590



Tritanopia

27.2444, 31.1161, 42.1062

Trichromacy



Original Color

27.6968, 31.0439, 44.5767

Protanomaly

29.2264, 30.8857, 42.9492

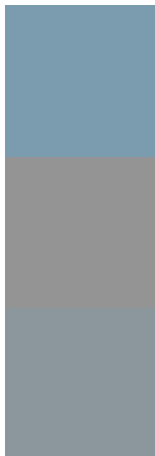
Deuteranomaly

29.7995, 30.6586, 44.9045

Tritanomaly

27.4337, 31.1918, 43.1028

Monochromacy



Original Color

27.6968, 31.0439, 44.5767

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

27.7999, 30.0565, 36.2346

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6968, 31.0439, 44.5767 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(123, 156, 174)` looks like.

```
.text, #text, p{  
    color:rgb(123, 156, 174)  
}
```

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(123, 156, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 156, 174) }
```

Border

The CSS property to change the border of an element to XYZ 27.6968, 31.0439, 44.5767 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(123, 156, 174) }
```


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

```
.border{ border-color:rgb(123, 156, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 156, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 156, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 156, 174);  
box-shadow:4px 4px 4px 4px rgb(123, 156,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6968, 31.0439, 44.5767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 156, 174) }
```

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

```
.background{ background-color: rgb(123,  
156, 174) }
```

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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