

Converting Colors

XYZ(19.5551, 27.4566, 29.2698)

Have a look what the booklet for
XYZ(19.5551, 27.4566, 29.2698)
contains.

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Color

**XYZ(19.4631, 27.3851,
29.0710)**

Conversions

Conversions Part 1

Format	Color
Hex	489D8C
RGB	72, 157, 140
RGB Percent	28%, 62%, 55%
CMY	0.7176, 0.3843, 0.4510
CMYK	0.54, 0.00, 0.11, 0.38
HSL	168°, 37%, 45%
HSV	168°, 54%, 62%
XYZ	19.4631, 27.3851, 29.0710
YIQ	129.6470, -45.2030, -23.3070

Conversions

Conversions Part 2

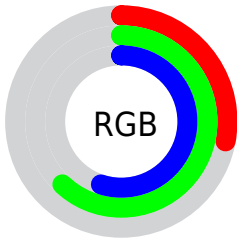
Format	Color
RYB	72, 119, 157
Decimal	4758924
CIELab	59.33, -29.98, 1.09
CIElCh	59, 30.005, 177.912
Yxy	27.3851, 0.2564, 0.3607
Android (android.graphics.Color)	4282949004 (0xFF489D8C)
YUV	129.6470, 5.1040, -50.5564
Hunter-Lab	52.3308, -25.1903, 3.6945

Details

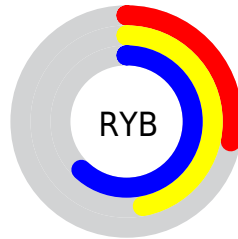
The XYZ color **19.4631, 27.3851, 29.0710** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **18.0261, 12.5249, 10.9197**, and the grayscale version is **21.0882, 22.1864, 24.1610**.

A 20% lighter version of the original color is **41.9215, 55.4492, 58.9454**, and **6.8970, 10.8413, 11.4019** is the 20% darker color. If you saturate the color by 10%, you get **18.2107, 26.7665, 27.8213**, and if you desaturate by 10%, it is **21.0226, 28.1626, 30.3708**.

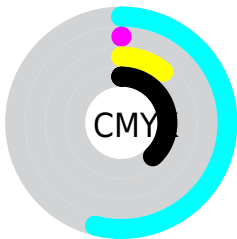
Distribution



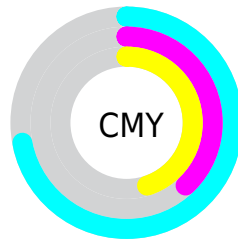
- Red (28%)
- Green (62%)
- Blue (55%)



- Red (28%)
- Yellow (47%)
- Blue (62%)



- Cyan (54%)
- Magenta (0%)
- Yellow (11%)
- Black (38%)



- Cyan (72%)
- Magenta (38%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4631, 27.3851, 29.0710 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 19.4631, 27.3851, 29.0710 by changing the saturation by 10% instead.

■ 19.4631, 27.3851,
29.0710

■ 19.4631, 27.3851,
29.0710

241.8829,
289.5169, 311.6212

■ 12.1114, 17.8627,
18.8885

■ 42.0260, 55.5012,
59.2334

■ 6.8923, 10.8514,
11.4137

■ 57.9679, 74.8637,
80.0504

■ 3.4406, 5.9670,
6.2282

■ 77.5039, 98.2749,
105.2493

■ 1.3908, 2.8250,
2.9133

■ 100.9994,
126.1194, 135.2486

■ 0.2497, 1.0411,
1.0505

■ 128.8197,
158.7814, 170.4669

■ 0.0000, 0.0000,
0.0000

161.3301,

196.6454, 211.3228

198.8961,
240.0958, 258.2347

■ 19.4631, 27.3851,
29.0710

■ 19.4631, 27.3851,
29.0710

■ 18.2107, 26.7665,
27.8213

■ 21.0226, 28.1626,
30.3708

■ 17.2397, 26.2916,
26.6184

■ 22.9077, 29.1065,
31.7200

■ 16.5243, 25.9476,
25.4613

■ 25.1381, 30.2276,
33.1204

■ 16.0321, 25.7180,
24.3484

■ 27.7314, 31.5350,
34.5732

■ 15.7975, 25.6109,
23.7141

■ 30.7038, 33.0371,
36.0793

■ 34.0707, 34.7418,
37.6397

■ 37.8466, 36.6564,
39.2555

■ 42.0451, 38.7882,
40.9274

■ 46.6793, 41.1438,
42.6563

Harmonies

Analogous

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



20.3814, 27.3851, 20.1318



19.4631, 27.3851, 29.0710



20.1588, 27.3851, 40.5754

Triad

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



19.4631, 27.3851, 29.0710



29.5547, 27.3851, 52.0610



30.0532, 27.3851, 15.5125

Complementary

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



19.4631, 27.3851, 29.0710



18.0261, 12.5249, 10.9197

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.



32.9400, 27.3851, 21.1524



19.4631, 27.3851, 29.0710



32.6333, 27.3851, 42.1982

Square

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



19.4631, 27.3851, 29.0710



25.7667, 27.3851, 55.6044



33.9262, 27.3851, 30.5771



26.2925, 27.3851, 13.5668

Rectangle

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



19.4631, 27.3851, 29.0710



21.4855, 27.3851, 47.9335



33.9262, 27.3851, 30.5771



31.1711, 27.3851, 16.9606

Sweetspot

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



19.4639, 27.3862, 29.0716



48.5981, 55.9370, 61.3425



17.4846, 26.7775, 10.3785



10.4957, 12.2087, 13.3892



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



19.4639, 27.3862, 29.0716



32.2043, 47.7339, 49.3612



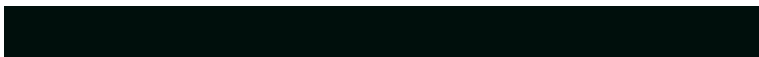
17.1353, 20.5653, 34.9659



6.7649, 7.4867, 8.1968



12.8433, 20.8052, 19.3294



0.2429, 0.3773, 0.4156

Inverse Universe

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



18.0261, 12.5249, 10.9197



29.3815, 18.2753, 13.5150



19.2657, 16.0178, 8.2078



6.6846, 6.6668, 7.1903



11.5095, 5.9084, 1.6680



0.2187, 0.1108, 0.0977

Previews

White Background



This preview shows how the XYZ color 19.4631, 27.3851, 29.0710 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 19.4631, 27.3851, 29.0710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

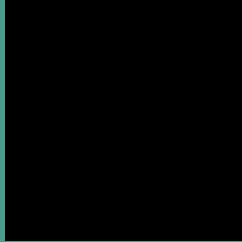
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.4631, 27.3851, 29.0710

Background



This preview shows how black text looks on a background with the XYZ color 19.4631, 27.3851, 29.0710.

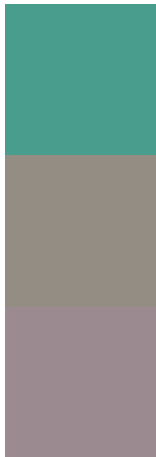


This preview shows how white text looks on a background with the XYZ color 19.4631, 27.3851,

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

19.4631, 27.3851, 29.0710

Protanopia

25.6542, 26.8915, 25.3112

Deuteranopia

27.6401, 27.1591, 30.1710



Tritanopia

21.6675, 27.2850, 40.2009

Trichromacy



Original Color

19.4631, 27.3851, 29.0710

Protanomaly

22.4825, 26.5817, 26.5001

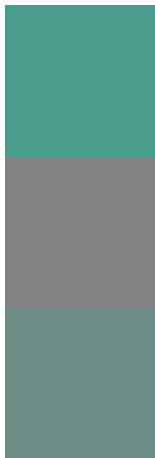
Deuteranomaly

23.5408, 26.5939, 29.8790

Tritanomaly

20.7833, 27.1652, 36.0463

Monochromacy



Original Color

19.4631, 27.3851, 29.0710

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

19.9878, 23.7286, 26.0809

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4631, 27.3851, 29.0710 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(72, 157, 140)` looks like.

```
.text, #text, p{  
    color:rgb(72, 157, 140)  
}
```

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(72, 157, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 157, 140) }
```

Border

The CSS property to change the border of an element to XYZ 19.4631, 27.3851, 29.0710 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(72, 157, 140) }
```


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

```
.border{ border-color:rgb(72, 157, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 157, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 157, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 157, 140);  
box-shadow:4px 4px 4px 4px rgb(72, 157,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4631, 27.3851, 29.0710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 157, 140) }
```

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

```
.background{ background-color: rgb(72, 157,  
140) }
```

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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