

Converting Colors

XYZ(19.4275, 27.8492, 20.0200)

Have a look what the booklet for
XYZ(19.4275, 27.8492, 20.0200)
contains.

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Color

**XYZ(19.4239, 27.8196,
19.9688)**

Conversions

Conversions Part 1

Format	Color
Hex	5A9E71
RGB	90, 158, 113
RGB Percent	35%, 62%, 44%
CMY	0.6471, 0.3804, 0.5569
CMYK	0.43, 0.00, 0.28, 0.38
HSL	140°, 27%, 49%
HSV	140°, 43%, 62%
XYZ	19.4239, 27.8196, 19.9688
YIQ	132.5380, -26.0830, -28.4110

Conversions

Conversions Part 2

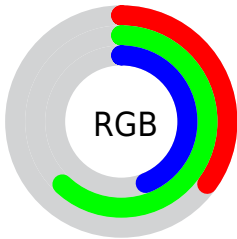
Format	Color
R_{YB}	90, 141, 158
Decimal	5938801
CIE _{Lab}	59.73, -31.89, 16.93
CIE _{LCh}	60, 36.106, 152.036
Yxy	27.8196, 0.2890, 0.4139
Android (android.graphics.Color)	4284128881 (0xFF5A9E71)
YUV	132.5380, -9.6322, -37.3058
Hunter-Lab	52.7443, -26.5671, 14.4740

Details

The XYZ color **19.4239, 27.8196, 19.9688** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **22.1307, 16.3312, 24.9083**, and the grayscale version is **22.1677, 23.3221, 25.3978**.

A 20% lighter version of the original color is **41.9135, 56.1448, 44.2253**, and **6.8711, 11.0830, 6.7781** is the 20% darker color. If you saturate the color by 10%, you get **17.4923, 26.8887, 16.9808**, and if you desaturate by 10%, it is **21.7515, 28.9483, 23.3306**.

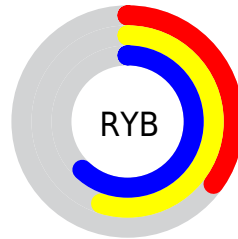
Distribution



Red (35%)

Green (62%)

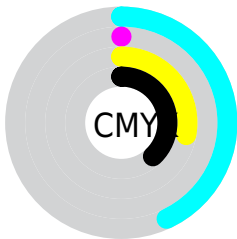
Blue (44%)



Red (35%)

Yellow (55%)

Blue (62%)

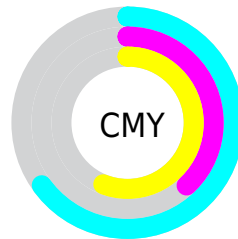


Cyan (43%)

Magenta (0%)

Yellow (28%)

Black (38%)



Cyan (65%)

Magenta (38%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4239, 27.8196, 19.9688 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 19.4239, 27.8196, 19.9688 by changing the saturation by 10% instead.

■ 19.4239, 27.8196,
19.9688

■ 19.4239, 27.8196,
19.9688

241.6725,
291.6039, 264.3448

■ 12.0828, 18.1897,
12.1885

■ 41.9605, 56.1963,
44.2232

■ 6.8727, 11.0863,
6.7481

■ 57.8868, 75.7119,
61.5343

■ 3.4282, 6.1249,
3.2290

■ 77.4054, 99.2915,
82.8595

■ 1.3841, 2.9212,
1.2127

■ 100.8819,
127.3196, 108.6172

■ 0.2448, 1.0907,
0.0000

128.6814,
160.1804, 139.2261

■ 0.0000, 0.0000,
0.0000

161.1695,

198.2585, 175.1046

198.7114,
241.9382, 216.6714

■ 19.4239, 27.8196,
19.9688

■ 19.4239, 27.8196,
19.9688

■ 17.4923, 26.8887,
16.9808

■ 21.7515, 28.9483,
23.3306

■ 15.9313, 26.1406,
14.3517

■ 24.4941, 30.2821,
27.0768

■ 14.7160, 25.5634,
12.0683


■ 27.6722, 31.8321,
31.2197


■ 13.8171, 25.1423,
10.1158


■ 31.3042, 33.6074,
35.7707


■ 13.2002, 24.8598,
8.4783

■ 35.4073, 35.6169,
40.7406

 12.8802, 24.7159,
7.5136

 39.9979, 37.8687,
46.1398

 45.0917, 40.3707,
51.9784

 50.7036, 43.1304,
58.2660

 56.8477, 46.1548,
65.0121

Harmonies

Analogous

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



22.0548, 27.8196, 13.5912



19.4239, 27.8196, 19.9688



18.6061, 27.8196, 31.1925

Triad

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



19.4239, 27.8196, 19.9688



26.7547, 27.8196, 62.9861



34.5996, 27.8196, 18.8201

Complementary

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



19.4239, 27.8196, 19.9688



22.1307, 16.3312, 24.9083

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.



36.2162, 27.8196, 29.4066



19.4239, 27.8196, 19.9688



31.3749, 27.8196, 56.9789

Square

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



19.4239, 27.8196, 19.9688



22.5368, 27.8196, 58.3505



34.9740, 27.8196, 43.6691



30.7735, 27.8196, 13.0746

Rectangle

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



19.4239, 27.8196, 19.9688



19.1134, 27.8196, 40.7318



34.9740, 27.8196, 43.6691



35.4381, 27.8196, 21.8065

Sweetspot

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



19.4246, 27.8207, 19.9694



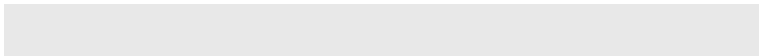
50.1177, 57.7397, 56.5228



24.1186, 30.3717, 14.2642



11.0107, 12.8766, 12.3729



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



19.4246, 27.8207, 19.9694



31.7718, 48.8313, 30.8474



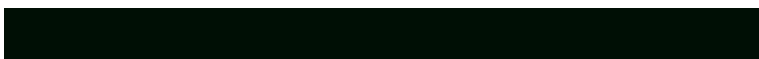
21.6844, 28.7247, 31.8694



6.6387, 7.4362, 7.5320



10.3322, 19.8008, 6.1063



0.2034, 0.3615, 0.2077

Inverse Universe

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



22.1307, 16.3312, 24.9083



37.3587, 25.0623, 41.0086



20.1228, 15.5280, 14.3346



6.8087, 6.7164, 7.8438



13.3360, 6.6390, 11.2862



0.2574, 0.1263, 0.3016

Previews

White Background



This preview shows how the XYZ color 19.4239, 27.8196, 19.9688 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 19.4239, 27.8196, 19.9688 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 19.4239, 27.8196, 19.9688

Background



This preview shows how black text looks on a background with the XYZ color 19.4239, 27.8196, 19.9688.



This preview shows how white text looks on a background with the XYZ color 19.4239, 27.8196,

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

19.4239, 27.8196, 19.9688

Protanopia

25.5608, 27.4578, 17.5884

Deuteranopia

28.0252, 27.5683, 20.6737



Tritanopia

23.2469, 27.6383, 39.2314

Trichromacy



Original Color

19.4239, 27.8196, 19.9688

Protanomaly

22.5561, 27.0298, 18.4964

Deuteranomaly

23.7590, 26.9150, 20.4659

Tritanomaly

21.7034, 27.7522, 31.0009

Monochromacy



Original Color

19.4239, 27.8196, 19.9688

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

20.7750, 24.6343, 23.3986

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4239, 27.8196, 19.9688 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(90, 158, 113)` looks like.

```
.text, #text, p{  
    color:rgb(90, 158, 113)  
}
```

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(90, 158, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 158, 113) }
```

Border

The CSS property to change the border of an element to XYZ 19.4239, 27.8196, 19.9688 is called "border". The border property can be set on classes, ids or directly on the HTML element.

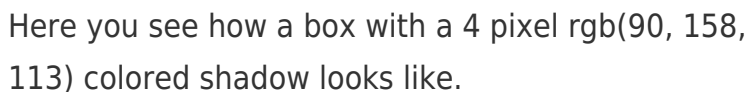
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(90, 158, 113) }
```


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

```
.border{ border-color:rgb(90, 158, 113) }
```

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



Here you see how a box with a 4 pixel `rgb(90, 158, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 158, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 158, 113);  
box-shadow:4px 4px 4px 4px rgb(90, 158,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4239, 27.8196, 19.9688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 158, 113) }
```

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

```
.background{ background-color: rgb(90, 158,  
113) }
```

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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