

Converting Colors

XYZ(12.7169, 19.4596, 18.2005)

Have a look what the booklet for
XYZ(12.7169, 19.4596, 18.2005)
contains.

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Color

**XYZ(12.7294, 19.5104,
18.1339)**

Conversions

Conversions Part 1

Format	Color
Hex	29896F
RGB	41, 137, 111
RGB Percent	16%, 54%, 44%
CMY	0.8392, 0.4627, 0.5647
CMYK	0.70, 0.00, 0.19, 0.46
HSL	164°, 54%, 35%
HSV	164°, 70%, 54%
XYZ	12.7294, 19.5104, 18.1339
YIQ	105.3320, -48.8700, -28.4380

Conversions

Conversions Part 2

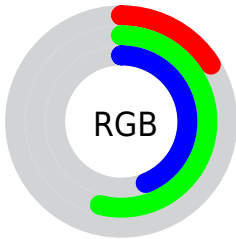
Format	Color
RYB	41, 97, 137
Decimal	2722159
CIELab	51.28, -34.18, 5.96
CIELCh	51, 34.697, 170.107
Yxy	19.5104, 0.2527, 0.3873
Android (android.graphics.Color)	4280912239 (0xFF29896F)
YUV	105.3320, 2.7943, -56.4192
Hunter-Lab	44.1706, -25.8571, 6.5783

Details

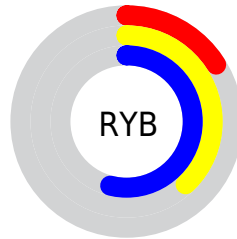
The XYZ color **12.7294, 19.5104, 18.1339** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **12.1233, 7.3101, 6.0833**, and the grayscale version is **13.5201, 14.2242, 15.4902**.

A 20% lighter version of the original color is **30.4972, 42.6153, 41.2685**, and **4.2250, 7.0145, 5.8339** is the 20% darker color. If you saturate the color by 10%, you get **12.0752, 19.1968, 17.0591**, and if you desaturate by 10%, it is **13.5834, 19.9270, 19.2633**.

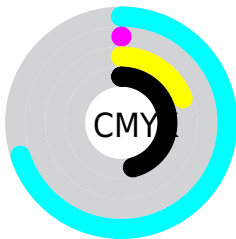
Distribution



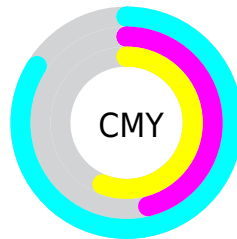
- Red (16%)
- Green (54%)
- Blue (44%)



- Red (16%)
- Yellow (38%)
- Blue (54%)



- Cyan (70%)
- Magenta (0%)
- Yellow (19%)
- Black (46%)



- Cyan (84%)
- Magenta (46%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7294, 19.5104, 18.1339 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 12.7294, 19.5104, 18.1339 by changing the saturation by 10% instead.

■ 12.7294, 19.5104,
18.1339

■ 12.7294, 19.5104,
18.1339

202.8489,
249.2522, 253.8861

■ 7.3182, 12.0397,
10.8757

■ 30.4222, 42.5948,
41.0824

■ 3.7100, 6.7707,
5.8702

■ 43.4346, 58.9772,
57.6098

■ 1.5394, 3.3191,
2.6988

■ 59.7114, 79.0990,
78.0639

■ 0.3524, 1.3005,
0.9428

■ 79.6179, 103.3446,
102.8635

■ 0.0000, 0.1416,
0.0000

■ 103.5196,
132.0983, 132.4270

■ 0.0000, 0.0000,
0.0000

■ 131.7817,

165.7445, 167.1728

164.7697,
204.6677, 207.5197

■ 12.7294, 19.5104,
18.1339

■ 12.7294, 19.5104,
18.1339

■ 12.0752, 19.1968,
17.0591

■ 13.5834, 19.9270,
19.2633

■ 11.5984, 18.9731,
16.0359

■ 14.6535, 20.4536,
20.4471

■ 11.2411, 18.8100,
15.0681

■ 15.9560, 21.0990,
21.6873

■ 17.5053, 21.8706,
22.9848

■ 19.3146, 22.7751,
24.3408

■ 21.3960, 23.8190,
25.7565

■ 23.7609, 25.0079,
27.2327

■ 26.4202, 26.3475,
28.7705

■ 29.3839, 27.8430,
30.3708

Harmonies

Analogous

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



13.8916, 19.5104, 11.2130



12.7294, 19.5104, 18.1339



12.9696, 19.5104, 28.4938

Triad

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



12.7294, 19.5104, 18.1339



20.9277, 19.5104, 44.6430



23.1489, 19.5104, 9.7175

Complementary

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



12.7294, 19.5104, 18.1339



12.1233, 7.3101, 6.0833

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.



25.5230, 19.5104, 15.3409



12.7294, 19.5104, 18.1339



24.1341, 19.5104, 35.9647

Square

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



12.7294, 19.5104, 18.1339



17.4239, 19.5104, 46.0998



25.9044, 19.5104, 24.6897



19.7113, 19.5104, 7.4544

Rectangle

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



12.7294, 19.5104, 18.1339



13.9048, 19.5104, 36.0425



25.9044, 19.5104, 24.6897



24.1150, 19.5104, 11.1774

Sweetspot

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



12.7299, 19.5112, 18.1344



34.1074, 40.5443, 43.2437



11.7445, 19.2884, 5.2024



7.4730, 9.0053, 9.5698



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



12.7299, 19.5112, 18.1344



21.0938, 34.1267, 29.4777



11.6990, 14.8153, 25.9107



5.1160, 5.6659, 6.1318



10.4759, 17.5229, 14.0625



0.0757, 0.1189, 0.1257

Inverse Universe

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



12.1233, 7.3101, 6.0833



19.9832, 10.8134, 6.6922



12.4292, 8.9027, 3.1617



5.0849, 5.0694, 5.5356



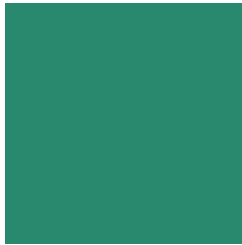
9.9270, 5.0809, 2.1198



0.0714, 0.0359, 0.0428

Previews

White Background



This preview shows how the XYZ color 12.7294, 19.5104, 18.1339 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 12.7294, 19.5104, 18.1339 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 12.7294, 19.5104, 18.1339

Background



This preview shows how black text looks on a background with the XYZ color 12.7294, 19.5104, 18.1339.



This preview shows how white text looks on a background with the XYZ color 12.7294, 19.5104,

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

12.7294, 19.5104, 18.1339

Protanopia

18.1876, 19.2432, 15.5877

Deuteranopia

19.4475, 19.1113, 18.8835



Tritanopia

14.9763, 19.5990, 28.9802

Trichromacy



Original Color

12.7294, 19.5104, 18.1339

Protanomaly

15.0148, 18.7061, 16.4550

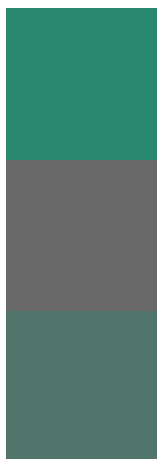
Deuteranomaly

15.6117, 18.3969, 18.6477

Tritanomaly

13.9871, 19.3927, 24.4787

Monochromacy



Original Color

12.7294, 19.5104, 18.1339

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.4948, 15.5780, 16.2582

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7294, 19.5104, 18.1339 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(41, 137, 111)` looks like.

```
.text, #text, p{  
    color:rgb(41, 137, 111)  
}
```

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(41, 137, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 137, 111) }
```

Border

The CSS property to change the border of an element to XYZ 12.7294, 19.5104, 18.1339 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(41, 137, 111) }
```


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

```
.border{ border-color:rgb(41, 137, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 137, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 137, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 137, 111);  
box-shadow:4px 4px 4px 4px rgb(41, 137,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7294, 19.5104, 18.1339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 137, 111) }
```

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

```
.background{ background-color: rgb(41, 137,  
111) }
```

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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