

Converting Colors

XYZ(18.9745, 19.3909, 12.4894)

Have a look what the booklet for
XYZ(18.9745, 19.3909, 12.4894)
contains.

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Color

**XYZ(18.9235, 19.3351,
12.4075)**

Conversions

Conversions Part 1

Format	Color
Hex	8A775A
RGB	138, 119, 90
RGB Percent	54%, 47%, 35%
CMY	0.4588, 0.5333, 0.6471
CMYK	0.00, 0.14, 0.35, 0.46
HSL	36°, 21%, 45%
HSV	36°, 35%, 54%
XYZ	18.9235, 19.3351, 12.4075
YIQ	121.3750, 20.6330, -4.9910

Conversions

Conversions Part 2

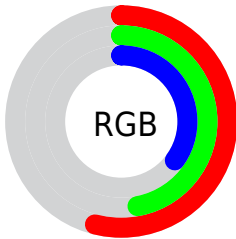
Format	Color
R_{YB}	121, 138, 90
Decimal	9074522
CIE _{Lab}	51.08, 2.84, 18.69
CIE _{LCh}	51, 18.901, 81.371
Yxy	19.3351, 0.3735, 0.3816
Android (android.graphics.Color)	4287264602 (0xFF8A775A)
YUV	121.3750, -15.4679, 14.5801
Hunter-Lab	43.9717, -0.1319, 14.0503

Details

The XYZ color **18.9235, 19.3351, 12.4075** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **14.2723, 14.9454, 26.1773**, and the grayscale version is **18.3396, 19.2947, 21.0120**.

A 20% lighter version of the original color is **41.0348, 42.2257, 30.7986**, and **6.6383, 6.7146, 3.3290** is the 20% darker color. If you saturate the color by 10%, you get **17.7585, 17.8595, 9.3854**, and if you desaturate by 10%, it is **20.2359, 20.9309, 16.0173**.

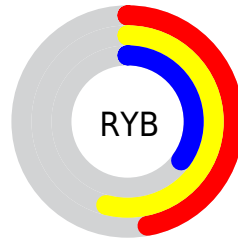
Distribution



Red (54%)

Green (47%)

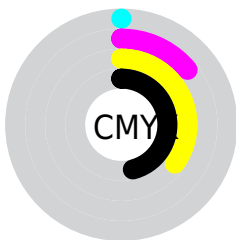
Blue (35%)



Red (47%)

Yellow (54%)

Blue (35%)

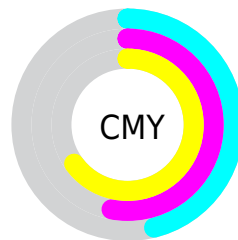


Cyan (0%)

Magenta (14%)

Yellow (35%)

Black (46%)



Cyan (46%)

Magenta (53%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9235, 19.3351, 12.4075 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 18.9235, 19.3351, 12.4075 by changing the saturation by 10% instead.

■ 18.9235, 19.3351,
12.4075

■ 18.9235, 19.3351,
12.4075

238.9723,
248.2925, 218.1575

■ 11.7187, 11.9127,
6.8959

■ 41.1227, 42.2996,
30.9106

■ 6.6233, 6.6842,
3.3196

■ 56.8477, 58.6104,
44.7391

■ 3.2718, 3.2654,
1.2601

■ 76.1436, 78.6528,
62.1772

■ 1.2991, 1.2718,
0.0287

■ 99.3756, 102.8112,
83.6431

■ 0.1825, 0.1192,
0.0000

■ 126.9091,
131.4700, 109.5556

■ 0.0000, 0.0000,
0.0000

159.1095,

165.0135, 140.3331

196.3421,
203.8262, 176.3943

■ 18.9235, 19.3351,
12.4075

■ 18.9235, 19.3351,
12.4075

■ 17.7585, 17.8595,
9.3854

■ 20.2359, 20.9309,
16.0173

■ 16.7328, 16.4976,
6.9178

■ 21.7005, 22.6476,
20.2432

■ 15.8397, 15.2465,
4.9698

■ 23.3235, 24.4894,
25.1131

■ 15.0709, 14.1019,
3.5023

■ 25.1103, 26.4593,
30.6531

■ 14.4174, 13.0591,
2.4703

■ 27.0663, 28.5604,
36.8875

■ 13.8672, 12.1121,
1.8138

■ 29.1962, 30.7956,
43.8396

■ 13.6040, 11.6488,
1.5314

■ 31.5049, 33.1674,
51.5315

■ 33.9968, 35.6788,
59.9845

■ 36.6763, 38.3321,
69.2188

Harmonies

Analogous

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



20.7205, 19.3351, 13.9746



18.9235, 19.3351, 12.4075



17.0951, 19.3351, 12.8290

Triad

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



18.9235, 19.3351, 12.4075



15.2212, 19.3351, 25.0426



21.3393, 19.3351, 28.1763

Complementary

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



18.9235, 19.3351, 12.4075



14.2723, 14.9454, 26.1773

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.



19.7224, 19.3351, 32.2022



18.9235, 19.3351, 12.4075



16.2180, 19.3351, 30.1898

Square

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



18.9235, 19.3351, 12.4075



15.0394, 19.3351, 19.5416



17.8420, 19.3351, 32.9958



22.1761, 19.3351, 22.6396

Rectangle

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



18.9235, 19.3351, 12.4075



16.0967, 19.3351, 14.2176



17.8420, 19.3351, 32.9958



20.8640, 19.3351, 29.7877

Sweetspot

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



18.9240, 19.3360, 12.4079



39.5226, 41.3758, 39.4599



16.9086, 13.8242, 16.3018



8.7878, 9.1929, 8.6209



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.



18.9240, 19.3360, 12.4079



31.6704, 31.9552, 17.4706



20.6385, 23.9180, 13.2020



5.2677, 5.5182, 5.3399



12.4874, 10.7092, 1.4089



0.0973, 0.0998, 0.0141

Inverse Universe

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



14.2723, 14.9454, 26.1773



22.1557, 22.9795, 45.6509



12.9423, 11.5697, 25.5958



4.9265, 5.1959, 6.3491



5.4555, 4.1813, 22.5652



0.0498, 0.0550, 0.1544

Previews

White Background



This preview shows how the XYZ color 18.9235, 19.3351, 12.4075 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 18.9235, 19.3351, 12.4075 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 18.9235, 19.3351, 12.4075

Background



This preview shows how black text looks on a background with the XYZ color 18.9235, 19.3351, 12.4075.



This preview shows how white text looks on a background with the XYZ color 18.9235, 19.3351,

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

18.9235, 19.3351, 12.4075

Protanopia

18.0538, 19.4202, 12.6945

Deuteranopia

19.7084, 19.3901, 12.3768



Tritanopia

20.8612, 19.4423, 21.3921

Trichromacy



Original Color

18.9235, 19.3351, 12.4075

Protanomaly

18.3986, 19.4166, 12.6756

Deuteranomaly

19.4792, 19.4458, 12.3996

Tritanomaly

20.0991, 19.3012, 17.7051

Monochromacy



Original Color

18.9235, 19.3351, 12.4075

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.2833, 19.0708, 17.4692

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9235, 19.3351, 12.4075 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(138, 119, 90)` looks like.

```
.text, #text, p{  
    color:rgb(138, 119, 90)  
}
```

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(138, 119, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 119, 90) }
```

Border

The CSS property to change the border of an element to XYZ 18.9235, 19.3351, 12.4075 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(138, 119, 90) }
```


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

```
.border{ border-color:rgb(138, 119, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 119, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 119, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 119, 90);  
box-shadow:4px 4px 4px 4px rgb(138, 119,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9235, 19.3351, 12.4075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 119, 90) }
```

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

```
.background{ background-color: rgb(138,  
119, 90) }
```

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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