

Converting Colors

XYZ(18.1989, 18.3431, 12.3356)

Have a look what the booklet for
XYZ(18.1989, 18.3431, 12.3356)
contains.

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Color

**XYZ(18.1295, 18.2339,
12.2368)**

Conversions

Conversions Part 1

Format	Color
Hex	88735A
RGB	136, 115, 90
RGB Percent	53%, 45%, 35%
CMY	0.4667, 0.5490, 0.6471
CMYK	0.00, 0.15, 0.34, 0.47
HSL	33°, 20%, 44%
HSV	33°, 34%, 53%
XYZ	18.1295, 18.2339, 12.2368
YIQ	118.4290, 20.5410, -3.3230

Conversions

Conversions Part 2

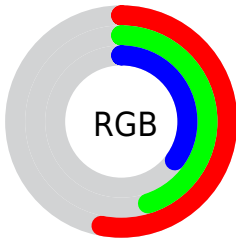
Format	Color
R_{YB}	129, 136, 90
Decimal	8942426
CIE _{Lab}	49.78, 4.29, 16.90
CIE _{LCh}	50, 17.432, 75.751
Yxy	18.2339, 0.3730, 0.3752
Android (android.graphics.Color)	4287132506 (0xFF88735A)
YUV	118.4290, -14.0155, 15.4098
Hunter-Lab	42.7012, 1.0581, 12.9002

Details

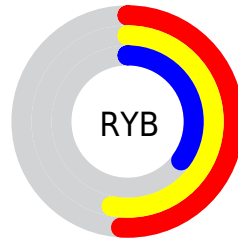
The XYZ color **18.1295, 18.2339, 12.2368** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **14.3446, 15.3195, 25.4934**, and the grayscale version is **17.3930, 18.2988, 19.9274**.

A 20% lighter version of the original color is **39.7875, 40.4780, 30.5270**, and **6.2081, 6.1275, 3.2384** is the 20% darker color. If you saturate the color by 10%, you get **16.9187, 16.6554, 9.2339**, and if you desaturate by 10%, it is **19.4949, 19.9518, 15.8143**.

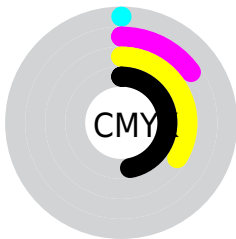
Distribution



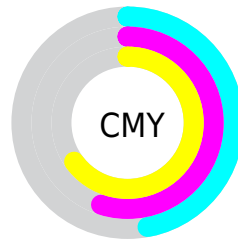
- Red (53%)
- Green (45%)
- Blue (35%)



- Red (51%)
- Yellow (53%)
- Blue (35%)



- Cyan (0%)
- Magenta (15%)
- Yellow (34%)
- Black (47%)



- Cyan (47%)
- Magenta (55%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1295, 18.2339, 12.2368 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 18.1295, 18.2339, 12.2368 by changing the saturation by 10% instead.

■ 18.1295, 18.2339,
12.2368

■ 18.1295, 18.2339,
12.2368

234.6314,
242.1861, 217.0000

■ 11.1433, 11.1180,
6.7807

■ 39.7862, 40.4355,
30.5965

■ 6.2313, 6.1463,
3.2490

■ 55.1874, 56.2900,
44.3371

■ 3.0282, 2.9342,
1.2231

■ 74.1243, 75.8262,
61.6763

■ 1.1687, 1.0975,
0.0000

■ 96.9622, 99.4285,
83.0327

■ 0.0814, 0.0000,
0.0000

■ 124.0665,
127.4812, 108.8246

■ 0.0000, 0.0000,
0.0000

155.8026,

160.3688, 139.4708

192.5358,
198.4756, 175.3898

■ 18.1295, 18.2339,
12.2368

■ 18.1295, 18.2339,
12.2368

■ 16.9187, 16.6554,
9.2339

■ 19.4949, 19.9518,
15.8143

■ 15.8544, 15.2097,
6.7737

■ 21.0196, 21.8105,
19.9936

■ 14.9296, 13.8931,
4.8228

■ 22.7101, 23.8147,
24.8018

■ 14.1365, 12.7007,
3.3437

■ 24.5720, 25.9679,
30.2637

■ 13.4658, 11.6274,
2.2937

■ 26.6103, 28.2736,
36.4030

■ 12.9065, 10.6670,
1.6199

■ 28.8302, 30.7351,
43.2420

■ 12.5970, 10.1215,
1.2897

■ 31.2365, 33.3556,
50.8021

■ 33.8338, 36.1381,
59.1037

■ 36.6265, 39.0857,
68.1666

Harmonies

Analogous

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



19.6583, 18.2339, 13.9915



18.1295, 18.2339, 12.2368



16.4774, 18.2339, 12.2819

Triad

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



18.1295, 18.2339, 12.2368



14.4327, 18.2339, 22.4439



19.7228, 18.2339, 26.9511

Complementary

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



18.1295, 18.2339, 12.2368



14.3446, 15.3195, 25.4934

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.



18.2131, 18.2339, 30.0322



18.1295, 18.2339, 12.2368



15.1946, 18.2339, 27.1598

Square

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



18.1295, 18.2339, 12.2368



14.4135, 18.2339, 17.6846



16.5559, 18.2339, 30.1141



20.6173, 18.2339, 22.1932

Rectangle

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



18.1295, 18.2339, 12.2368



15.5294, 18.2339, 13.3123



16.5559, 18.2339, 30.1141



19.2663, 18.2339, 28.2484

Sweetspot

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



18.1300, 18.2347, 12.2372



38.0830, 39.6804, 38.1601



16.7046, 13.7047, 16.9390



8.7369, 9.0910, 8.6039



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.



18.1300, 18.2347, 12.2372



30.2081, 29.8715, 17.2199



20.5557, 23.4532, 13.1166



5.2433, 5.4695, 5.3318



11.9321, 9.5985, 1.2238



0.0939, 0.0931, 0.0130

Inverse Universe

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



14.3446, 15.3195, 25.4934



22.4270, 23.8814, 44.4759



12.4674, 11.3415, 24.8245



4.9504, 5.2438, 6.3571



5.8495, 4.9694, 22.6966



0.0532, 0.0617, 0.1556

Previews

White Background



This preview shows how the XYZ color 18.1295, 18.2339, 12.2368 looks on a white 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

Black Background



This preview shows how the XYZ color 18.1295, 18.2339, 12.2368 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 18.1295, 18.2339, 12.2368

Background



This preview shows how black text looks on a background with the XYZ color 18.1295, 18.2339, 12.2368.



This preview shows how white text looks on a background with the XYZ color 18.1295, 18.2339,

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

18.1295, 18.2339, 12.2368

Protanopia

17.0144, 18.1652, 12.7347

Deuteranopia

18.5102, 18.2618, 12.2221



Tritanopia

19.7221, 18.2139, 20.2455

Trichromacy



Original Color

18.1295, 18.2339, 12.2368

Protanomaly

17.4555, 18.2237, 12.4951

Deuteranomaly

18.3440, 18.1761, 12.2144

Tritanomaly

19.0357, 18.0957, 16.9575

Monochromacy



Original Color

18.1295, 18.2339, 12.2368

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.5255, 18.1653, 16.7699

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1295, 18.2339, 12.2368 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(136, 115, 90)` looks like.

```
.text, #text, p{  
    color:rgb(136, 115, 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(136, 115, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 115, 90) }
```

Border

The CSS property to change the border of an element to XYZ 18.1295, 18.2339, 12.2368 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(136, 115, 90) }
```


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

```
.border{ border-color:rgb(136, 115, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 115, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 115, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 115, 90);  
box-shadow:4px 4px 4px 4px rgb(136, 115,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1295, 18.2339, 12.2368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 115, 90) }
```

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

```
.background{ background-color: rgb(136,  
115, 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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