

Converting Colors

XYZ(18.1489, 16.3669, 11.8489)

Have a look what the booklet for
XYZ(18.1489, 16.3669, 11.8489)
contains.

XYZ(18.1973, 16.3680, 11.8731)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.1973, 16.3680,
11.8731)**

Conversions

Conversions Part 1

Format	Color
Hex	90675A
RGB	144, 103, 90
RGB Percent	56%, 40%, 35%
CMY	0.4353, 0.5961, 0.6471
CMYK	0.00, 0.28, 0.37, 0.44
HSL	14°, 23%, 46%
HSV	14°, 37%, 56%
XYZ	18.1973, 16.3680, 11.8731
YIQ	113.7770, 28.6090, 4.6490

Conversions

Conversions Part 2

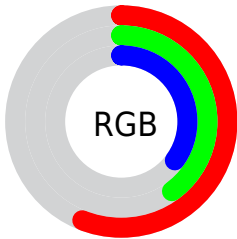
Format	Color
RYB	144, 107, 90
Decimal	9463642
CIELab	47.45, 14.67, 13.85
CIELCh	47, 20.177, 43.358
Yxy	16.3680, 0.3919, 0.3525
Android (android.graphics.Color)	4287653722 (0xFF90675A)
YUV	113.7770, -11.7221, 26.5056
Hunter-Lab	40.4574, 9.4870, 10.9202

Details

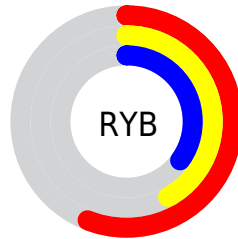
The XYZ color **18.1973, 16.3680, 11.8731** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **17.3664, 20.4190, 29.4114**, and the grayscale version is **15.9558, 16.7867, 18.2808**.

A 20% lighter version of the original color is **39.8424, 37.1468, 29.8811**, and **6.2824, 5.2855, 3.0720** is the 20% darker color. If you saturate the color by 10%, you get **16.6256, 14.1123, 8.6126**, and if you desaturate by 10%, it is **20.0308, 18.9572, 15.8071**.

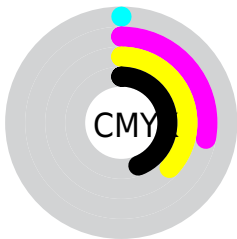
Distribution



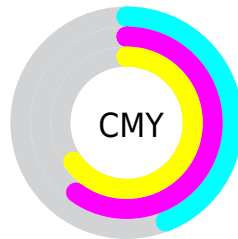
- Red (56%)
- Green (40%)
- Blue (35%)



- Red (56%)
- Yellow (42%)
- Blue (35%)



- Cyan (0%)
- Magenta (28%)
- Yellow (37%)
- Black (44%)



- Cyan (44%)
- Magenta (60%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1973, 16.3680, 11.8731 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 18.1973, 16.3680, 11.8731 by changing the saturation by 10% instead.

■ 18.1973, 16.3680,
11.8731

■ 18.1973, 16.3680,
11.8731

235.0049,
231.5035, 214.5114

■ 11.1923, 9.7849,
6.5358

■ 39.9007, 37.2359,
29.9247

■ 6.2646, 5.2566,
3.0995

■ 55.3298, 52.2895,
43.4761

■ 3.0488, 2.3986,
1.1457

■ 74.2976, 70.9355,
60.6027

■ 1.1796, 0.8252,
0.0000

■ 97.1694, 93.5581,
81.7229

■ 0.0902, 0.0000,
0.0000

■ 124.3108,
120.5418, 107.2554

■ 0.0000, 0.0000,
0.0000

156.0869,

152.2710, 137.6186

192.8631,
189.1301, 173.2310

■ 18.1973, 16.3680,
11.8731

■ 18.1973, 16.3680,
11.8731

■ 16.6256, 14.1123,
8.6126

■ 20.0308, 18.9572,
15.8071

■ 15.3021, 12.1739,
5.9866

■ 22.1364, 21.8905,
20.4487

■ 14.2138, 10.5392,
3.9534


■ 24.5253, 25.1807,
25.8309

■ 13.3459, 9.1920,
2.4661


■ 27.2077, 28.8395,
31.9842


■ 12.6818, 8.1149,
1.4702


■ 30.1932, 32.8779,
38.9375


 12.1957, 7.2859,
0.8669

 33.4912, 37.3065,
46.7182

 12.0931, 7.1123,
0.7354

 37.1103, 42.1355,
55.3524

 41.0592, 47.3747,
64.8649

 45.3460, 53.0335,
75.2797

Harmonies

Analogous

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



19.1534, 16.3680, 15.6394



18.1973, 16.3680, 11.8731



16.5643, 16.3680, 9.9455

Triad

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



18.1973, 16.3680, 11.8731



12.4861, 16.3680, 15.1446



16.3664, 16.3680, 29.2402

Complementary

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



18.1973, 16.3680, 11.8731



17.3664, 20.4190, 29.4114

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.



14.5920, 16.3680, 29.0373



18.1973, 16.3680, 11.8731



12.4421, 16.3680, 20.1986

Square

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



18.1973, 16.3680, 11.8731



13.3111, 16.3680, 11.5710



13.1858, 16.3680, 25.4853



18.0429, 16.3680, 25.9957

Rectangle

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



18.1973, 16.3680, 11.8731



15.3565, 16.3680, 9.6794



13.1858, 16.3680, 25.4853



15.7599, 16.3680, 29.5892

Sweetspot

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



18.1977, 16.3688, 11.8734



41.6275, 42.1757, 41.8663



19.2817, 14.8913, 23.4732



9.4298, 9.5117, 9.3385



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



18.1977, 16.3688, 11.8734



29.7312, 25.4803, 16.0213



21.2766, 22.5266, 12.8997



5.5078, 5.6219, 5.6842



10.5471, 6.2260, 0.6458



0.1158, 0.0894, 0.0111

Inverse Universe

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



17.3664, 20.4190, 29.4114



28.0341, 33.6633, 51.5581



14.2413, 14.1688, 28.3697



5.4518, 5.8993, 6.8801



9.1948, 11.3757, 24.6882



0.1050, 0.1428, 0.2417

Previews

White Background



This preview shows how the XYZ color 18.1973, 16.3680, 11.8731 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 18.1973, 16.3680, 11.8731 looks on a black 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

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

XYZ 18.1973, 16.3680, 11.8731

Background



This preview shows how black text looks on a background with the XYZ color 18.1973, 16.3680, 11.8731.

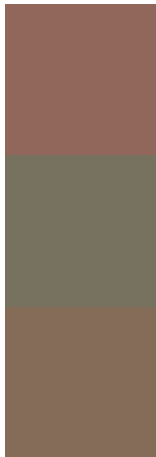


This preview shows how white text looks on a background with the XYZ color 18.1973, 16.3680,

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

18.1973, 16.3680, 11.8731

Protanopia

15.5784, 16.5584, 13.2015

Deuteranopia

16.6815, 16.3519, 11.7282



Tritanopia

19.1180, 16.3080, 16.3275

Trichromacy



Original Color

18.1973, 16.3680, 11.8731

Protanomaly

16.3465, 16.3168, 12.6438

Deuteranomaly

17.1105, 16.2636, 11.6886

Tritanomaly

18.6797, 16.2667, 14.4672

Monochromacy



Original Color

18.1973, 16.3680, 11.8731

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.5832, 16.5318, 15.6815

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1973, 16.3680, 11.8731 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(144, 103, 90)` looks like.

```
.text, #text, p{  
    color:rgb(144, 103, 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(144, 103, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 103, 90) }
```

Border

The CSS property to change the border of an element to XYZ 18.1973, 16.3680, 11.8731 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(144, 103, 90) }
```


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

```
.border{ border-color:rgb(144, 103, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 103, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 103, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 103, 90);  
box-shadow:4px 4px 4px 4px rgb(144, 103,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1973, 16.3680, 11.8731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 103, 90) }
```

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

```
.background{ background-color: rgb(144,  
103, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor