

Converting Colors

XYZ(18.3797, 13.8182, 19.7655)

Have a look what the booklet for
XYZ(18.3797, 13.8182, 19.7655)
contains.

XYZ(18.2986, 13.7409, 19.7770)	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(18.2986, 13.7409,
19.7770)**

Conversions

Conversions Part 1

Format	Color
Hex	915479
RGB	145, 84, 121
RGB Percent	57%, 33%, 47%
CMY	0.4314, 0.6706, 0.5255
CMYK	0.00, 0.42, 0.17, 0.43
HSL	324°, 27%, 45%
HSV	324°, 42%, 57%
XYZ	18.2986, 13.7409, 19.7770
YIQ	106.4570, 24.4790, 24.4390

Conversions

Conversions Part 2

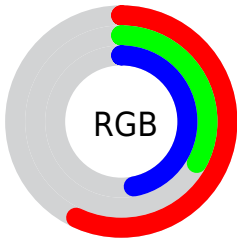
Format	Color
R _Y B	145, 84, 121
Decimal	9524345
CIE Lab	43.86, 30.70, -10.06
CIE LCh	44, 32.304, 341.855
Yxy	13.7409, 0.3531, 0.2652
Android (android.graphics.Color)	4287714425 (0xFF915479)
YUV	106.4570, 7.1697, 33.8022
Hunter-Lab	37.0687, 23.2445, -5.6845

Details

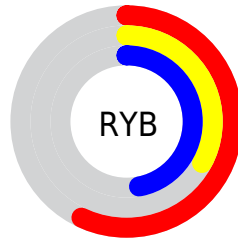
The XYZ color **18.2986, 13.7409, 19.7770** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **16.4890, 23.2188, 17.8011**, and the grayscale version is **13.8017, 14.5205, 15.8128**.

A 20% lighter version of the original color is **40.0262, 32.6244, 43.7227**, and **6.3148, 4.0568, 6.5811** is the 20% darker color. If you saturate the color by 10%, you get **16.9479, 11.5829, 17.6514**, and if you desaturate by 10%, it is **19.9038, 16.3744, 22.0898**.

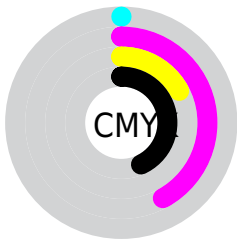
Distribution



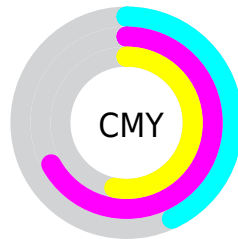
- Red (57%)
- Green (33%)
- Blue (47%)



- Red (57%)
- Yellow (33%)
- Blue (47%)



- Cyan (0%)
- Magenta (42%)
- Yellow (17%)
- Black (43%)



- Cyan (43%)
- Magenta (67%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2986, 13.7409, 19.7770 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 18.2986, 13.7409, 19.7770 by changing the saturation by 10% instead.

■ 18.2986, 13.7409,
19.7770

■ 18.2986, 13.7409,
19.7770

235.5619,
215.6129, 263.2695

■ 11.2656, 7.9407,
12.0506

■ 40.0716, 32.6286,
43.8970

■ 6.3144, 4.0570,
6.6552

■ 55.5422, 46.4848,
61.1277

■ 3.0796, 1.7055,
3.1722

■ 74.5562, 63.7952,
82.3636

■ 1.1960, 0.4272,
1.1832

■ 97.4787, 84.9441,
108.0232

■ 0.1032, 0.0000,
0.0000

■ 124.6752,
110.3160, 138.5250

■ 0.0000, 0.0000,
0.0000

156.5109,

140.2951, 174.2877

193.3514,
175.2660, 215.7297

■ 18.2986, 13.7409,
19.7770

■ 18.2986, 13.7409,
19.7770

■ 16.9479, 11.5829,
17.6514

■ 19.9038, 16.3744,
22.0898

■ 15.8357, 9.8694,
15.7055

■ 21.7758, 19.5082,
24.5953

■ 14.9459, 8.5687,
13.9323

■ 23.9277, 23.1674,
27.2996

■ 14.2597, 7.6440,
12.3237

■ 26.3712, 27.3752,
30.2082

■ 13.7553, 7.0519,
10.8705

■ 29.1174, 32.1531,
33.3263

■ 13.4365, 6.7235,
9.8108

■ 32.1768, 37.5216,
36.6591

■ 35.5593, 43.5001,
40.2114

■ 39.2745, 50.1072,
43.9879

■ 43.3314, 57.3606,
47.9930

Harmonies

Analogous

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



16.6147, 13.7409, 28.0551



18.2986, 13.7409, 19.7770



18.4736, 13.7409, 12.2568

Triad

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



18.2986, 13.7409, 19.7770



12.0782, 13.7409, 4.9938



9.7366, 13.7409, 26.4301

Complementary

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



18.2986, 13.7409, 19.7770



16.4890, 23.2188, 17.8011

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.



8.8236, 13.7409, 18.0374



18.2986, 13.7409, 19.7770



10.0529, 13.7409, 6.7472

Square

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



18.2986, 13.7409, 19.7770



14.6483, 13.7409, 5.1882



8.9313, 13.7409, 10.9990



11.5914, 13.7409, 32.6769

Rectangle

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



18.2986, 13.7409, 19.7770



17.6859, 13.7409, 8.7041



8.9313, 13.7409, 10.9990



9.3210, 13.7409, 23.6688

Sweetspot

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



18.2990, 13.7415, 19.7773



42.3592, 40.6486, 48.2866



14.3914, 11.5354, 28.2563



9.2449, 8.7383, 10.5213



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.



18.2990, 13.7415, 19.7773



30.5787, 21.1014, 31.9856



16.7413, 13.1185, 11.5745



5.5376, 5.4756, 6.3289



11.5378, 5.7721, 8.4834



0.1212, 0.0595, 0.1383

Inverse Universe

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



18.2990, 13.7415, 19.7773



30.5787, 21.1014, 31.9856



18.3611, 23.9676, 27.6593



5.5376, 5.4756, 6.3289



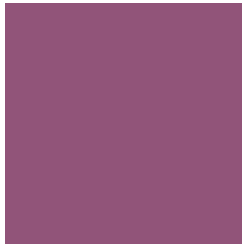
11.5378, 5.7721, 8.4834



0.1212, 0.0595, 0.1383

Previews

White Background



This preview shows how the XYZ color 18.2986, 13.7409, 19.7770 looks on a white background.

Color Contrast Check

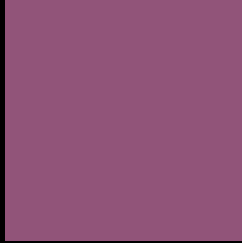
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.2986, 13.7409, 19.7770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

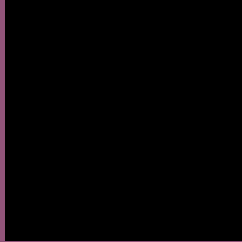
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.2986, 13.7409, 19.7770

Background



This preview shows how black text looks on a background with the XYZ color 18.2986, 13.7409, 19.7770.



This preview shows how white text looks on a background with the XYZ color 18.2986, 13.7409,

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

18.2986, 13.7409, 19.7770

Protanopia

13.9772, 13.9085, 24.5022

Deuteranopia

14.1080, 13.8035, 19.0603



Tritanopia

16.8390, 13.7401, 12.8309

Trichromacy



Original Color

18.2986, 13.7409, 19.7770

Protanomaly

15.0847, 13.5281, 22.5850

Deuteranomaly

15.3071, 13.5813, 19.2674

Tritanomaly

17.2857, 13.6760, 15.0933

Monochromacy



Original Color

18.2986, 13.7409, 19.7770

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

14.9827, 13.8761, 16.9276

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2986, 13.7409, 19.7770 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(145, 84, 121)` looks like.

```
.text, #text, p{  
    color:rgb(145, 84, 121)  
}
```

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(145, 84, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 84, 121) }
```

Border

The CSS property to change the border of an element to XYZ 18.2986, 13.7409, 19.7770 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(145, 84, 121) }
```


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

```
.border{ border-color:rgb(145, 84, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 84, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 84, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 84, 121);  
box-shadow:4px 4px 4px 4px rgb(145, 84,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2986, 13.7409, 19.7770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 84, 121) }
```

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

```
.background{ background-color: rgb(145, 84,  
121) }
```

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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