

Converting Colors

XYZ(19.9714, 13.6459, 15.9184)

Have a look what the booklet for
XYZ(19.9714, 13.6459, 15.9184)
contains.

XYZ(19.9070, 13.5788, 16.0397)	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(19.9070, 13.5788,
16.0397)**

Conversions

Conversions Part 1

Format	Color
Hex	A14A6D
RGB	161, 74, 109
RGB Percent	63%, 29%, 43%
CMY	0.3686, 0.7098, 0.5725
CMYK	0.00, 0.54, 0.32, 0.37
HSL	336°, 37%, 46%
HSV	336°, 54%, 63%
XYZ	19.9070, 13.5788, 16.0397
YIQ	104.0030, 40.6170, 29.3290

Conversions

Conversions Part 2

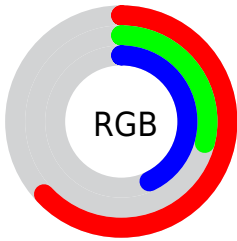
Format	Color
R_{YB}	161, 74, 109
Decimal	10570349
CIE Lab	43.62, 39.94, -2.83
CIE LCh	44, 40.039, 355.948
Yxy	13.5788, 0.4020, 0.2742
Android (android.graphics.Color)	4288760429 (0xFFA14A6D)
YUV	104.0030, 2.4635, 49.9864
Hunter-Lab	36.8494, 31.9438, -0.0130

Details

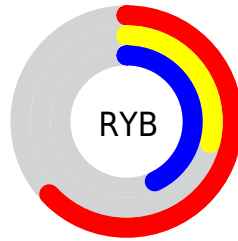
The XYZ color **19.9070, 13.5788, 16.0397** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **19.3355, 28.4522, 24.2131**, and the grayscale version is **13.1454, 13.8300, 15.0609**.

A 20% lighter version of the original color is **42.7195, 32.3652, 37.2533**, and **7.1003, 3.9858, 4.9525** is the 20% darker color. If you saturate the color by 10%, you get **18.4764, 11.5017, 13.1453**, and if you desaturate by 10%, it is **21.6702, 16.2301, 19.3251**.

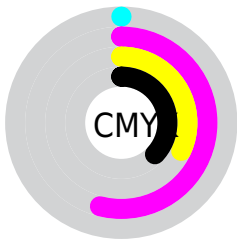
Distribution



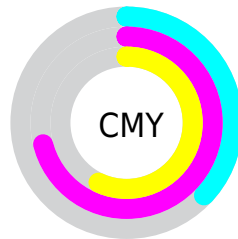
- Red (63%)
- Green (29%)
- Blue (43%)



- Red (63%)
- Yellow (29%)
- Blue (43%)



- Cyan (0%)
- Magenta (54%)
- Yellow (32%)
- Black (37%)



- Cyan (37%)
- Magenta (71%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9070, 13.5788, 16.0397 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 19.9070, 13.5788, 16.0397 by changing the saturation by 10% instead.

■ 19.9070, 13.5788,
16.0397

■ 19.9070, 13.5788,
16.0397

244.2544,
214.5945, 241.4296

■ 12.4353, 7.8283,
9.3976

■ 42.7663, 32.3398,
37.4349

■ 7.1152, 3.9853,
4.9011

■ 58.8847, 46.1191,
53.0250

■ 3.5812, 1.6653,
2.1316

■ 78.6161, 63.3434,
72.4349

■ 1.4681, 0.4011,
0.6345

■ 102.3257, 84.3971,
96.0831

■ 0.3039, 0.0000,
0.0000

■ 130.3790,
109.6648, 124.3881

■ 0.0000, 0.0000,
0.0000

163.1413,

139.5306, 157.7685

200.9780,
174.3791, 196.6428

■ 19.9070, 13.5788,
16.0397

■ 19.9070, 13.5788,
16.0397

■ 18.4764, 11.5017,
13.1453

■ 21.6702, 16.2301,
19.3251

■ 17.3540, 9.9532,
10.6244

■ 23.7857, 19.4926,
23.0163

■ 16.5136, 8.8840,
8.4590

■ 26.2731, 23.4025,
27.1282

■ 15.9237, 8.2342,
6.6286

■ 29.1500, 27.9927,
31.6744

■ 15.6452, 7.9560,
5.6764

■ 32.4330, 33.2938,
36.6680

■ 36.1376, 39.3345,
42.1217

■ 40.2784, 46.1419,
48.0473

■ 44.8696, 53.7418,
54.4563

■ 49.9244, 62.1586,
61.3598

Harmonies

Analogous

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



18.5771, 13.5788, 26.7218



19.9070, 13.5788, 16.0397



19.1258, 13.5788, 8.4409

Triad

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



19.9070, 13.5788, 16.0397



10.4426, 13.5788, 4.0560



9.8146, 13.5788, 34.2146

Complementary

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



19.9070, 13.5788, 16.0397



19.3355, 28.4522, 24.2131

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.



8.2065, 13.5788, 23.7056



19.9070, 13.5788, 16.0397



8.5257, 13.5788, 7.0678

Square

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



19.9070, 13.5788, 16.0397



13.3372, 13.5788, 3.3804



7.7757, 13.5788, 13.5975



12.4847, 13.5788, 39.5802

Rectangle

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



19.9070, 13.5788, 16.0397



17.5713, 13.5788, 5.5200



7.7757, 13.5788, 13.5975



9.1499, 13.5788, 31.0015

Sweetspot

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



19.9074, 13.5795, 16.0400



50.9748, 48.1597, 54.8114



17.3035, 11.8129, 35.0862



10.9582, 10.2083, 11.6737



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



19.9074, 13.5795, 16.0400



32.6045, 19.9141, 22.4988



18.8955, 13.9944, 8.1848



7.1863, 7.1310, 7.9676



12.5145, 6.3619, 4.6342



0.2860, 0.1429, 0.2187

Inverse Universe

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



19.9074, 13.5795, 16.0400



32.6045, 19.9141, 22.4988



20.7719, 27.0581, 37.8460



7.1863, 7.1310, 7.9676



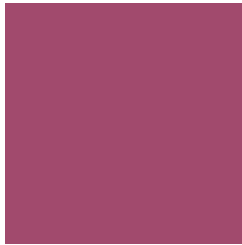
12.5145, 6.3619, 4.6342



0.2860, 0.1429, 0.2187

Previews

White Background



This preview shows how the XYZ color 19.9070, 13.5788, 16.0397 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

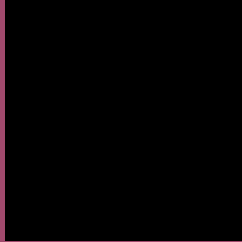
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.9070, 13.5788, 16.0397

Background



This preview shows how black text looks on a background with the XYZ color 19.9070, 13.5788, 16.0397.



This preview shows how white text looks on a background with the XYZ color 19.9070, 13.5788,

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

19.9070, 13.5788, 16.0397

Protanopia

13.7180, 13.8295, 22.0250

Deuteranopia

13.9170, 13.6450, 15.2648



Tritanopia

18.6943, 13.6030, 10.0278

Trichromacy



Original Color

19.9070, 13.5788, 16.0397

Protanomaly

15.1025, 13.0753, 19.4971

Deuteranomaly

15.5485, 13.2686, 15.3773

Tritanomaly

19.1269, 13.5717, 11.9674

Monochromacy



Original Color

19.9070, 13.5788, 16.0397

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

14.9733, 13.2293, 15.4000

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9070, 13.5788, 16.0397 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(161, 74, 109)` looks like.

```
.text, #text, p{  
    color:rgb(161, 74, 109)  
}
```

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(161, 74, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 74, 109) }
```

Border

The CSS property to change the border of an element to XYZ 19.9070, 13.5788, 16.0397 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(161, 74, 109) }
```


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

```
.border{ border-color:rgb(161, 74, 109) }
```

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

Here you see how a box with a 4 pixel rgb(161, 74, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 74, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 74, 109);  
box-shadow:4px 4px 4px 4px rgb(161, 74,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9070, 13.5788, 16.0397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 74, 109) }
```

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

```
.background{ background-color: rgb(161, 74,  
109) }
```

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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