

Converting Colors

XYZ(20.9549, 15.3819, 18.2642)

Have a look what the booklet for
XYZ(20.9549, 15.3819, 18.2642)
contains.

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Color

**XYZ(20.9774, 15.3901,
18.3880)**

Conversions

Conversions Part 1

Format	Color
Hex	A05674
RGB	160, 86, 116
RGB Percent	63%, 34%, 45%
CMY	0.3725, 0.6627, 0.5451
CMYK	0.00, 0.46, 0.27, 0.37
HSL	336°, 30%, 48%
HSV	336°, 46%, 63%
XYZ	20.9774, 15.3901, 18.3880
YIQ	111.5460, 34.4740, 25.0180

Conversions

Conversions Part 2

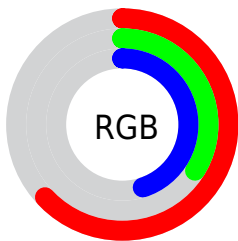
Format	Color
R _Y B	160, 86, 116
Decimal	10507892
CIE Lab	46.16, 34.21, -3.37
CIE LCh	46, 34.380, 354.375
Yxy	15.3901, 0.3831, 0.2811
Android (android.graphics.Color)	4288697972 (0xFFA05674)
YUV	111.5460, 2.1958, 42.4942
Hunter-Lab	39.2302, 26.7956, -0.3293

Details

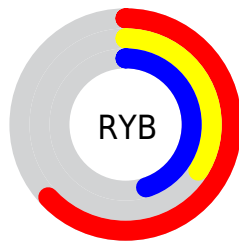
The XYZ color **20.9774, 15.3901, 18.3880** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **20.4385, 28.7322, 25.5891**, and the grayscale version is **15.2554, 16.0499, 17.4784**.

A 20% lighter version of the original color is **44.4753, 35.6030, 41.5738**, and **7.6488, 4.8047, 5.9931** is the 20% darker color. If you saturate the color by 10%, you get **19.3146, 12.9052, 15.2417**, and if you desaturate by 10%, it is **22.9837, 18.4711, 21.9288**.

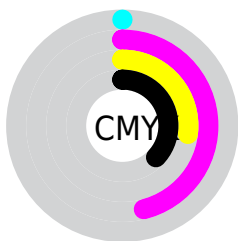
Distribution



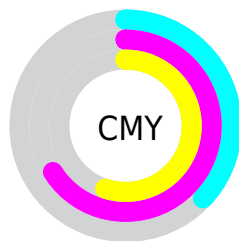
- Red (63%)
- Green (34%)
- Blue (45%)



- Red (63%)
- Yellow (34%)
- Blue (45%)



- Cyan (0%)
- Magenta (46%)
- Yellow (27%)
- Black (37%)



- Cyan (37%)
- Magenta (66%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9774, 15.3901, 18.3880 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 20.9774, 15.3901, 18.3880 by changing the saturation by 10% instead.

■ 20.9774, 15.3901,
18.3880

■ 20.9774, 15.3901,
18.3880

249.8923,
225.7154, 255.3582

■ 13.2199, 9.0936,
11.0566

■ 44.5415, 35.5361,
41.5202

■ 7.6582, 4.8023,
5.9903

■ 61.0787, 50.1544,
58.1581

■ 3.9270, 2.1317,
2.7705

■ 81.2732, 68.3154,
78.7352

■ 1.6609, 0.6824,
0.9787

■ 105.4904, 90.4036,
103.6701

■ 0.4316, 0.0000,
0.0000

■ 134.0955,
116.8033, 133.3813

■ 0.0000, 0.0000,
0.0000

167.4540,

147.8989, 168.2873

205.9311,
184.0748, 208.8068

■ 20.9774, 15.3901,
18.3880

■ 20.9774, 15.3901,
18.3880

■ 19.3146, 12.9052,
15.2417

■ 22.9837, 18.4711,
21.9288

■ 17.9730, 10.9749,
12.4737

■ 25.3514, 22.1816,
25.8776

■ 16.9296, 9.5558,
10.0676

■ 28.0986, 26.5553,
30.2482


■ 16.1574, 8.5969,
8.0051


■ 31.2418, 31.6227,
35.0537


■ 15.6190, 8.0266,
6.2641


■ 34.7964, 37.4125,
40.3063

 15.4474, 7.8537,
5.6816

 38.7772, 43.9518,
46.0178

 43.1979, 51.2661,
52.1995

 48.0719, 59.3798,
58.8623

 53.4118, 68.3164,
66.0167

Harmonies

Analogous

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



19.6987, 15.3901, 28.0145



20.9774, 15.3901, 18.3880



20.3794, 15.3901, 10.9441

Triad

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



20.9774, 15.3901, 18.3880



12.4249, 15.3901, 5.9425



11.5871, 15.3901, 33.5799

Complementary

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



20.9774, 15.3901, 18.3880



20.4385, 28.7322, 25.5891

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.



10.0751, 15.3901, 24.3325



20.9774, 15.3901, 18.3880



10.5117, 15.3901, 9.0100

Square

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



20.9774, 15.3901, 18.3880



15.1867, 15.3901, 5.2869



9.7093, 15.3901, 15.2258



14.0828, 15.3901, 38.4737

Rectangle

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



20.9774, 15.3901, 18.3880



19.0329, 15.3901, 7.8203



9.7093, 15.3901, 15.2258



10.9610, 15.3901, 30.7541

Sweetspot

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



20.9778, 15.3909, 18.3883



52.0894, 49.9344, 56.5839



18.7522, 13.8747, 34.9476



11.1827, 10.5642, 12.0350



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.



20.9778, 15.3909, 18.3883



35.1205, 23.5068, 27.7747



20.0191, 15.8295, 10.8053



6.7389, 6.6885, 7.4763



12.0540, 6.1262, 4.5352



0.2359, 0.1177, 0.1884

Inverse Universe

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



20.9778, 15.3909, 18.3883



35.1205, 23.5068, 27.7747



21.7116, 27.5732, 37.4357



6.7389, 6.6885, 7.4763



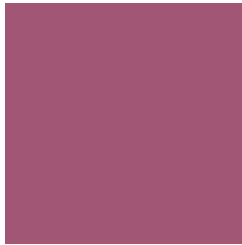
12.0540, 6.1262, 4.5352



0.2359, 0.1177, 0.1884

Previews

White Background



This preview shows how the XYZ color 20.9774, 15.3901, 18.3880 looks on a white background.

Color Contrast Check

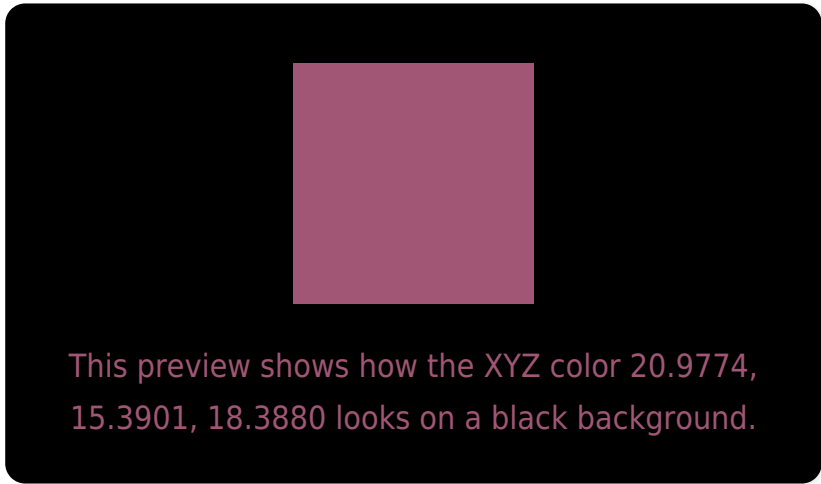
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9774, 15.3901, 18.3880

Background



This preview shows how black text looks on a background with the XYZ color 20.9774, 15.3901, 18.3880.



This preview shows how white text looks on a background with the XYZ color 20.9774, 15.3901,

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

20.9774, 15.3901, 18.3880

Protanopia

15.3236, 15.5522, 23.3133

Deuteranopia

15.7424, 15.4223, 17.7699



Tritanopia

19.8680, 15.4260, 12.9967

Trichromacy



Original Color

20.9774, 15.3901, 18.3880

Protanomaly

16.8128, 15.1480, 21.4398

Deuteranomaly

17.3306, 15.2069, 17.9414

Tritanomaly

20.3186, 15.4950, 14.7519

Monochromacy



Original Color

20.9774, 15.3901, 18.3880

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

16.8841, 15.5599, 17.7362

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9774, 15.3901, 18.3880 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(160, 86, 116)` looks like.

```
.text, #text, p{  
    color:rgb(160, 86, 116)  
}
```

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(160, 86, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 86, 116) }
```

Border

The CSS property to change the border of an element to XYZ 20.9774, 15.3901, 18.3880 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(160, 86, 116) }
```


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

```
.border{ border-color:rgb(160, 86, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 86, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(160, 86, 116); -webkit-box-shadow:4px 4px 4px 4px rgb(160, 86, 116); box-shadow:4px 4px 4px 4px rgb(160, 86, 116) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9774, 15.3901, 18.3880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 86, 116) }
```

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

```
.background{ background-color: rgb(160, 86,  
116) }
```

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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