

Converting Colors

XYZ(18.4513, 18.9871, 18.4558)

Have a look what the booklet for
XYZ(18.4513, 18.9871, 18.4558)
contains.

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Color

**XYZ(18.4795, 18.9751,
18.3114)**

Conversions

Conversions Part 1

Format	Color
Hex	807771
RGB	128, 119, 113
RGB Percent	50%, 47%, 44%
CMY	0.4980, 0.5333, 0.5569
CMYK	0.00, 0.07, 0.12, 0.50
HSL	24°, 6%, 47%
HSV	24°, 12%, 50%
XYZ	18.4795, 18.9751, 18.3114
YIQ	121.0070, 7.2900, 0.0420

Conversions

Conversions Part 2

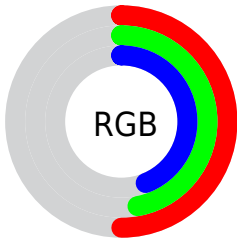
Format	Color
R_{YB}	128, 123, 113
Decimal	8419185
CIE _{Lab}	50.66, 2.34, 4.53
CIE _{LCh}	51, 5.101, 62.694
Yxy	18.9751, 0.3314, 0.3403
Android (android.graphics.Color)	4286609265 (0xFF807771)
YUV	121.0070, -3.9475, 6.1329
Hunter-Lab	43.5604, -0.5062, 5.5687

Details

The XYZ color **18.4795, 18.9751, 18.3114** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.6657, 18.9878, 23.1560**, and the grayscale version is **18.1873, 19.1345, 20.8375**.

A 20% lighter version of the original color is **40.4105, 41.6662, 41.5098**, and **6.4318, 6.5504, 5.9264** is the 20% darker color. If you saturate the color by 10%, you get **16.9321, 16.9533, 14.4876**, and if you desaturate by 10%, it is **20.2034, 21.1869, 22.6961**.

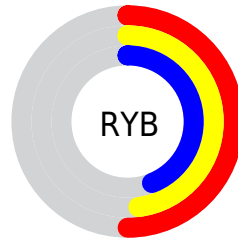
Distribution



Red (50%)

Green (47%)

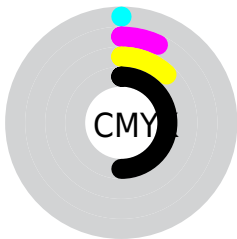
Blue (44%)



Red (50%)

Yellow (48%)

Blue (44%)

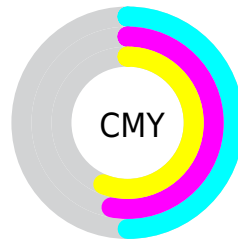


Cyan (0%)

Magenta (7%)

Yellow (12%)

Black (50%)



Cyan (50%)

Magenta (53%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4795, 18.9751, 18.3114 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 18.4795, 18.9751, 18.3114 by changing the saturation by 10% instead.

■ 18.4795, 18.9751,
18.3114

■ 18.4795, 18.9751,
18.3114

236.5537,
246.3113, 254.9152

■ 11.3966, 11.6523,
11.0020

■ 40.3764, 41.6920,
41.3883

■ 6.4035, 6.5074,
5.9540

■ 55.9211, 57.8549,
57.9929

■ 3.1349, 3.1560,
2.7488

■ 75.0171, 77.7333,
78.5331

■ 1.2255, 1.2137,
0.9678

■ 98.0297, 101.7116,
103.4273

■ 0.1264, 0.0729,
0.0000

125.3243,
130.1741, 133.0940

■ 0.0000, 0.0000,
0.0000

157.2663,

163.5053, 167.9519

194.2209,
202.0895, 208.4195

■ 18.4795, 18.9751,
18.3114

■ 18.4795, 18.9751,
18.3114

■ 16.9321, 16.9533,
14.4876

■ 20.2034, 21.1869,
22.6961

■ 15.5538, 15.1138,
11.2004

■ 22.1080, 23.5912,
27.6619

■ 14.3387, 13.4521,
8.4260

■ 24.1991, 26.1934,
33.2296

■ 13.2800, 11.9624,
6.1379

■ 26.4819, 28.9983,
39.4187

■ 12.3704, 10.6388,
4.3073

■ 28.9614, 32.0103,
46.2477

■ 11.6020, 9.4747,
2.9025

■ 31.6423, 35.2335,
53.7343

■ 10.9660, 8.4632,
1.8874

■ 34.5292, 38.6722,
61.8956

■ 10.4523, 7.5966,
1.2200

■ 37.6266, 42.3304,
70.7480

■ 10.0957, 6.9764,
0.8145

■ 40.9387, 46.2120,
80.3073

Harmonies

Analogous

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



18.8558, 18.9751, 19.2101



18.4795, 18.9751, 18.3114



17.9901, 18.9751, 18.0328

Triad

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



18.4795, 18.9751, 18.3114



17.0927, 18.9751, 20.7902



18.5591, 18.9751, 23.0633

Complementary

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



18.4795, 18.9751, 18.3114



17.6657, 18.9878, 23.1560

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.



18.0805, 18.9751, 23.5322



18.4795, 18.9751, 18.3114



17.2389, 18.9751, 22.1825

Square

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



18.4795, 18.9751, 18.3114



17.1951, 18.9751, 19.4242



17.5982, 18.9751, 23.2027



18.9023, 18.9751, 21.9485

Rectangle

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



18.4795, 18.9751, 18.3114



17.6672, 18.9751, 18.2252



17.5982, 18.9751, 23.2027



18.4084, 18.9751, 23.3039

Sweetspot

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



18.4800, 18.9759, 18.3118



34.8224, 36.3482, 38.0361



18.3202, 17.8048, 20.8836



8.1046, 8.4485, 8.7818



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



18.4800, 18.9759, 18.3118



31.7979, 32.4511, 30.3940



19.4078, 20.8314, 18.6211



4.4580, 4.6048, 4.5740



10.0119, 6.9202, 0.8080



0.0000, 0.0000, 0.0000

Inverse Universe

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



17.6657, 18.9878, 23.1560



30.0755, 32.4760, 40.6396



16.7804, 17.2172, 22.8609



4.3065, 4.6070, 5.4755



6.4808, 6.7802, 21.2171



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.4795, 18.9751, 18.3114 looks on a white background.

Color Contrast Check

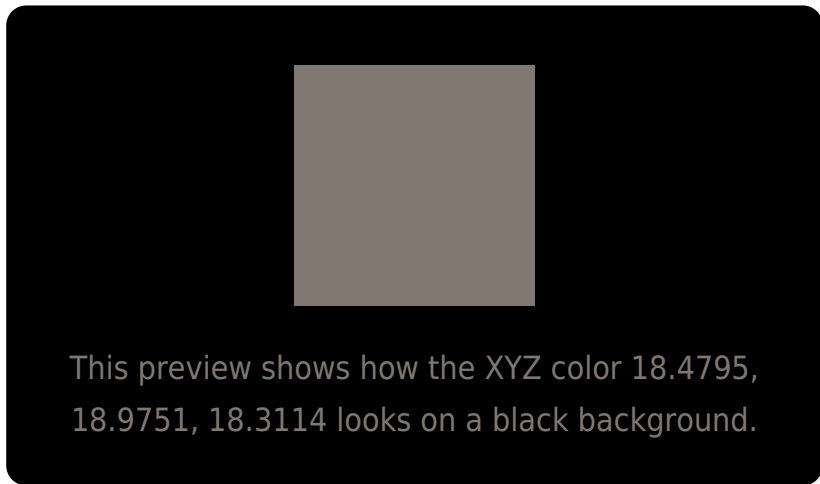
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

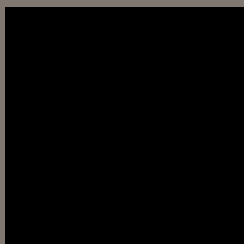
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

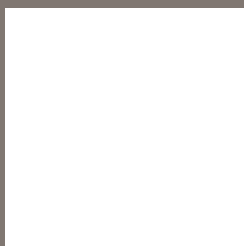
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.4795, 18.9751, 18.3114

Background



This preview shows how black text looks on a background with the XYZ color 18.4795, 18.9751, 18.3114.

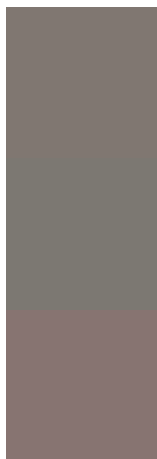


This preview shows how white text looks on a background with the XYZ color 18.4795, 18.9751,

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

18.4795, 18.9751, 18.3114

Protanopia

18.0659, 18.9329, 18.6218

Deuteranopia

19.2177, 18.8339, 18.2452



Tritanopia

19.3331, 18.9748, 22.3822

Trichromacy



Original Color

18.4795, 18.9751, 18.3114

Protanomaly

18.2112, 19.0078, 18.6286

Deuteranomaly

18.8576, 18.8204, 18.2616

Tritanomaly

18.9829, 19.0045, 20.7569

Monochromacy



Original Color

18.4795, 18.9751, 18.3114

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.2987, 19.0260, 19.8475

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4795, 18.9751, 18.3114 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(128, 119, 113)` looks like.

```
.text, #text, p{  
    color:rgb(128, 119, 113)  
}
```

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(128, 119, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 119, 113) }
```

Border

The CSS property to change the border of an element to XYZ 18.4795, 18.9751, 18.3114 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(128, 119, 113) }
```


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

```
.border{ border-color:rgb(128, 119, 113) }
```

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

Here you see how a box with a 4 pixel rgb(128, 119, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 119, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 119, 113);  
box-shadow:4px 4px 4px 4px rgb(128, 119,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4795, 18.9751, 18.3114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 119, 113) }
```

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

```
.background{ background-color: rgb(128,  
119, 113) }
```

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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