

Converting Colors

XYZ(18.8889, 20.7947, 19.4341)

Have a look what the booklet for
XYZ(18.8889, 20.7947, 19.4341)
contains.

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Color

**XYZ(18.8976, 20.8369,
19.5489)**

Conversions

Conversions Part 1

Format	Color
Hex	7A8074
RGB	122, 128, 116
RGB Percent	48%, 50%, 45%
CMY	0.5216, 0.4980, 0.5451
CMYK	0.05, 0.00, 0.09, 0.50
HSL	90°, 5%, 48%
HSV	90°, 9%, 50%
XYZ	18.8976, 20.8369, 19.5489
YIQ	124.8380, 0.2760, -5.0040

Conversions

Conversions Part 2

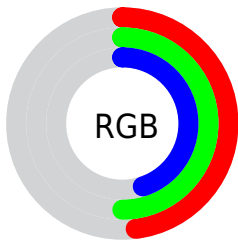
Format	Color
R_{YB}	116, 128, 122
Decimal	8028276
CIE Lab	52.77, -4.60, 5.74
CIE LCh	53, 7.355, 128.683
Yxy	20.8369, 0.3188, 0.3515
Android (android.graphics.Color)	4286218356 (0xFF7A8074)
YUV	124.8380, -4.3571, -2.4889
Hunter-Lab	45.6475, -5.9858, 6.5618

Details

The XYZ color **18.8976, 20.8369, 19.5489** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.1686, 18.1874, 22.9762**, and the grayscale version is **19.4531, 20.4662, 22.2877**.

A 20% lighter version of the original color is **41.0473, 44.8736, 43.5438**, and **6.5870, 7.4258, 6.5550** is the 20% darker color. If you saturate the color by 10%, you get **17.3271, 20.1081, 15.8528**, and if you desaturate by 10%, it is **20.6316, 21.6394, 23.7891**.

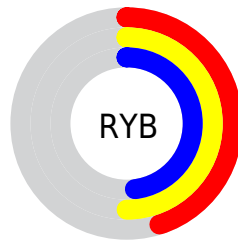
Distribution



Red (48%)

Green (50%)

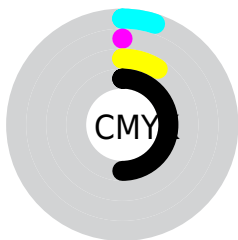
Blue (45%)



Red (45%)

Yellow (50%)

Blue (48%)

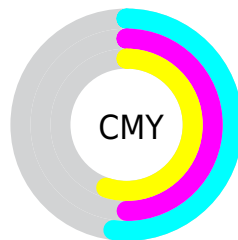


Cyan (5%)

Magenta (0%)

Yellow (9%)

Black (50%)



Cyan (52%)

Magenta (50%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8976, 20.8369, 19.5489 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 18.8976, 20.8369, 19.5489 by changing the saturation by 10% instead.

■ 18.8976, 20.8369,
19.5489

■ 18.8976, 20.8369,
19.5489

238.8318,
256.4104, 261.9854

■ 11.6999, 13.0048,
11.8868

■ 41.0792, 44.8159,
43.5086

■ 6.6104, 7.4319,
6.5450

■ 56.7938, 61.7317,
60.6431

■ 3.2638, 3.7336,
3.1051

■ 76.0781, 82.4441,
81.7723

■ 1.2948, 1.5257,
1.1486

99.2974, 107.3377,
107.3146

■ 0.1793, 0.3067,
0.0000

126.8170,
136.7966, 137.6885

■ 0.0000, 0.0000,
0.0000

159.0024,

171.2055, 173.3125

196.2189,
210.9486, 214.6054

■ 18.8976, 20.8369,
19.5489

■ 18.8976, 20.8369,
19.5489

■ 17.3271, 20.1081,
15.8528

■ 20.6316, 21.6394,
23.7891

■ 15.9131, 19.4479,
12.6776

■ 22.5324, 22.5149,
28.5929

■ 14.6505, 18.8550,
10.0000

■ 24.6054, 23.4665,
33.9803

■ 13.5333, 18.3267,
7.7948

■ 26.8553, 24.4961,
39.9701

■ 12.5551, 17.8604,
6.0344

■ 29.2863, 25.6056,
46.5802

■ 11.7087, 17.4530,
4.6884

■ 31.9028, 26.7967,
53.8277

■ 10.9863, 17.1012,
3.7226

■ 34.7089, 28.0713,
61.7291

■ 10.3791, 16.8014,
3.0973

■ 37.7085, 29.4311,
70.3002

■ 9.8634, 16.5439,
2.6963

■ 40.9055, 30.8776,
79.5564

Harmonies

Analogous

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



19.5831, 20.8369, 18.7647



18.8976, 20.8369, 19.5489



18.4629, 20.8369, 21.1873

Triad

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



18.8976, 20.8369, 19.5489



19.2737, 20.8369, 26.8530



21.2983, 20.8369, 22.0563

Complementary

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



18.8976, 20.8369, 19.5489



18.1686, 18.1874, 22.9762

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.



21.2103, 20.8369, 24.2576



18.8976, 20.8369, 19.5489



20.0283, 20.8369, 27.1229

Square

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



18.8976, 20.8369, 19.5489



18.6761, 20.8369, 25.4305



20.7407, 20.8369, 26.1460



20.9781, 20.8369, 20.1498

Rectangle

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



18.8976, 20.8369, 19.5489



18.3672, 20.8369, 22.5910



20.7407, 20.8369, 26.1460



21.3156, 20.8369, 22.7850

Sweetspot

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



18.8982, 20.8378, 19.5494



35.1624, 37.5613, 39.0122



19.0148, 19.7700, 19.3371



8.1795, 8.7696, 9.0038



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.



18.8982, 20.8378, 19.5494



32.7308, 36.4356, 33.1248



18.0746, 20.4133, 19.5108



4.4648, 4.9161, 4.6337



9.7512, 16.3893, 2.6495



0.0000, 0.0000, 0.0000

Inverse Universe

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



18.1686, 18.1874, 22.9762



31.2081, 30.9043, 40.2766



19.0446, 18.6391, 23.0172



4.2977, 4.3091, 5.4185



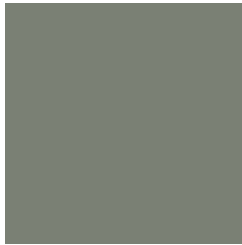
5.9626, 2.6275, 20.4428



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.8976, 20.8369, 19.5489 looks on a white background.

Color Contrast Check

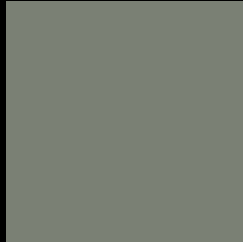
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 18.8976, 20.8369, 19.5489 looks on a 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

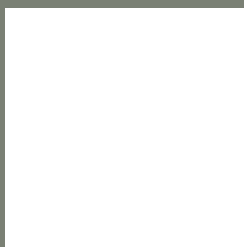
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.8976, 20.8369, 19.5489

Background



This preview shows how black text looks on a background with the XYZ color 18.8976, 20.8369, 19.5489.



This preview shows how white text looks on a background with the XYZ color 18.8976, 20.8369,

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

18.8976, 20.8369, 19.5489

Protanopia

19.7882, 20.7303, 19.1781

Deuteranopia

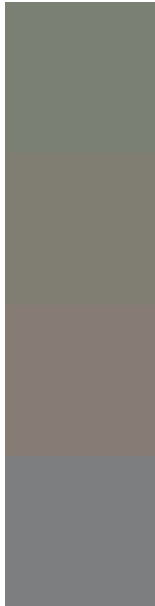
21.0328, 20.6218, 19.7015



Tritanopia

20.1642, 20.7765, 25.8692

Trichromacy



Original Color

18.8976, 20.8369, 19.5489

Protanomaly

19.4575, 20.7487, 19.1990

Deuteranomaly

20.2501, 20.7680, 19.7710

Tritanomaly

19.6693, 20.7653, 23.3935

Monochromacy



Original Color

18.8976, 20.8369, 19.5489

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.2859, 20.6119, 21.3744

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8976, 20.8369, 19.5489 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(122, 128, 116)` looks like.

```
.text, #text, p{  
    color:rgb(122, 128, 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(122, 128, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 128, 116) }
```

Border

The CSS property to change the border of an element to XYZ 18.8976, 20.8369, 19.5489 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(122, 128, 116) }
```


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

```
.border{ border-color:rgb(122, 128, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 128, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 128, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 128, 116);  
box-shadow:4px 4px 4px 4px rgb(122, 128,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8976, 20.8369, 19.5489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 128, 116) }
```

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

```
.background{ background-color: rgb(122,  
128, 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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