

Converting Colors

XYZ(18.8652, 19.0680, 18.3805)

Have a look what the booklet for
XYZ(18.8652, 19.0680, 18.3805)
contains.

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Color

**XYZ(18.8191, 18.9744,
18.2933)**

Conversions

Conversions Part 1

Format	Color
Hex	837671
RGB	131, 118, 113
RGB Percent	51%, 46%, 44%
CMY	0.4863, 0.5372, 0.5569
CMYK	0.00, 0.10, 0.14, 0.49
HSL	17°, 7%, 48%
HSV	17°, 14%, 51%
XYZ	18.8191, 18.9744, 18.2933
YIQ	121.3170, 9.3530, 1.2010

Conversions

Conversions Part 2

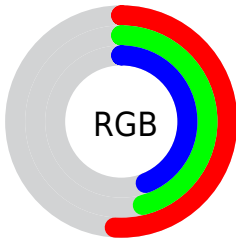
Format	Color
R_{YB}	131, 120, 113
Decimal	8615537
CIE Lab	50.66, 4.11, 4.57
CIE LCh	51, 6.142, 48.038
Yxy	18.9744, 0.3355, 0.3383
Android (android.graphics.Color)	4286805617 (0xFF837671)
YUV	121.3170, -4.1003, 8.4920
Hunter-Lab	43.5596, 0.8882, 5.5923

Details

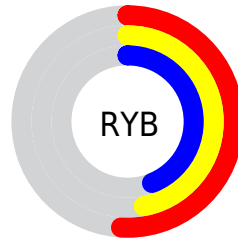
The XYZ color **18.8191, 18.9744, 18.2933** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.3675, 20.0706, 24.3788**, and the grayscale version is **18.2877, 19.2401, 20.9524**.

A 20% lighter version of the original color is **40.9334, 41.6564, 41.4804**, and **6.5376, 6.5113, 5.9133** is the 20% darker color. If you saturate the color by 10%, you get **17.0757, 16.5838, 14.3324**, and if you desaturate by 10%, it is **20.7818, 21.6328, 22.8530**.

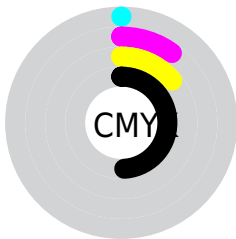
Distribution



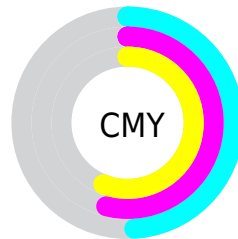
- Red (51%)
- Green (46%)
- Blue (44%)



- Red (51%)
- Yellow (47%)
- Blue (44%)



- Cyan (0%)
- Magenta (10%)
- Yellow (14%)
- Black (49%)



- Cyan (49%)
- Magenta (54%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8191, 18.9744, 18.2933 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 18.8191, 18.9744, 18.2933 by changing the saturation by 10% instead.

■ 18.8191, 18.9744,
18.2933

■ 18.8191, 18.9744,
18.2933

238.4056,
246.3074, 254.8105

■ 11.6429, 11.6518,
10.9892

■ 40.9474, 41.6908,
41.3571

■ 6.5715, 6.5070,
5.9455

■ 56.6303, 57.8534,
57.9539

■ 3.2395, 3.1558,
2.7437

■ 75.8793, 77.7315,
78.4853

■ 1.2816, 1.2136,
0.9653

■ 99.0600, 101.7094,
103.3698

■ 0.1694, 0.0728,
0.0000

126.5375,
130.1716, 133.0261

■ 0.0000, 0.0000,
0.0000

158.6775,

163.5023, 167.8726

195.8450,
202.0862, 208.3279

■ 18.8191, 18.9744,
18.2933

■ 18.8191, 18.9744,
18.2933

■ 17.0757, 16.5838,
14.3324

■ 20.7818, 21.6328,
22.8530

■ 15.5422, 14.4500,
10.9442

■ 22.9695, 24.5643,
28.0339

■ 14.2108, 12.5651,
8.1021

■ 25.3900, 27.7776,
33.8585

■ 13.0726, 10.9197,
5.7774

■ 28.0498, 31.2798,
40.3481

■ 12.1180, 9.5040,
3.9383

■ 30.9556, 35.0781,
47.5229

■ 11.3367, 8.3072,
2.5498

■ 34.1133, 39.1794,
55.4021

■ 10.7169, 7.3178,
1.5718

■ 37.5292, 43.5901,
64.0043

■ 10.2448, 6.5227,
0.9545

■ 41.2089, 48.3167,
73.3473

■ 10.0034, 6.1119,
0.6525

■ 45.1580, 53.3653,
83.4485

Harmonies

Analogous

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



19.1569, 18.9744, 19.6511



18.8191, 18.9744, 18.2933



18.2754, 18.9744, 17.5857

Triad

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



18.8191, 18.9744, 18.2933



16.9266, 18.9744, 19.9809



18.3951, 18.9744, 23.9725

Complementary

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



18.8191, 18.9744, 18.2933



18.3675, 20.0706, 24.3788

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.



17.7959, 18.9744, 24.0729



18.8191, 18.9744, 18.2933



16.9570, 18.9744, 21.7027

Square

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



18.8191, 18.9744, 18.2933



17.1881, 18.9744, 18.5232



17.2722, 18.9744, 23.2223



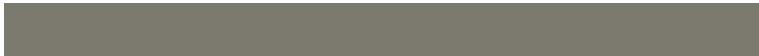
18.9084, 18.9744, 22.9549

Rectangle

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



18.8191, 18.9744, 18.2933



17.8734, 18.9744, 17.5504



17.2722, 18.9744, 23.2223



18.1968, 18.9744, 24.1166

Sweetspot

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



18.8196, 18.9752, 18.2937



37.0850, 38.5637, 40.6185



19.0442, 18.1473, 22.3056



8.5765, 8.9007, 9.3216



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



18.8196, 18.9752, 18.2937



32.8434, 32.8090, 30.7930



19.9044, 21.1448, 18.6553



4.7702, 4.8839, 4.9206



9.8489, 6.0203, 0.6429



0.0396, 0.0318, 0.0041

Inverse Universe

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



18.3675, 20.0706, 24.3788



31.8954, 35.1043, 43.5479



17.2916, 17.9189, 24.0201



4.6951, 5.0659, 5.9311



8.0269, 9.6017, 22.5669



0.0340, 0.0456, 0.0802

Previews

White Background



This preview shows how the XYZ color 18.8191, 18.9744, 18.2933 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 18.8191, 18.9744, 18.2933 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

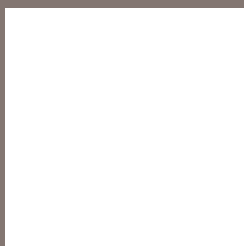
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.8191, 18.9744, 18.2933

Background



This preview shows how black text looks on a background with the XYZ color 18.8191, 18.9744, 18.2933.

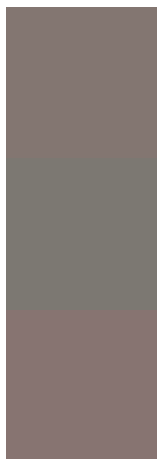


This preview shows how white text looks on a background with the XYZ color 18.8191, 18.9744,

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

18.8191, 18.9744, 18.2933

Protanopia

18.0659, 18.9329, 18.6218

Deuteranopia

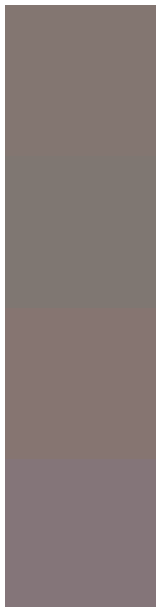
19.2177, 18.8339, 18.2452



Tritanopia

19.6199, 18.9580, 22.0272

Trichromacy



Original Color

18.8191, 18.9744, 18.2933

Protanomaly

18.3865, 18.9206, 18.6026

Deuteranomaly

19.1734, 18.9832, 18.2764

Tritanomaly

19.3282, 19.0086, 20.7395

Monochromacy



Original Color

18.8191, 18.9744, 18.2933

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.4439, 19.1009, 19.8543

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8191, 18.9744, 18.2933 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(131, 118, 113)` looks like.

```
.text, #text, p{  
    color:rgb(131, 118, 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(131, 118, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 118, 113) }
```

Border

The CSS property to change the border of an element to XYZ 18.8191, 18.9744, 18.2933 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(131, 118, 113) }
```


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

```
.border{ border-color:rgb(131, 118, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 118, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 118, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 118, 113);  
box-shadow:4px 4px 4px 4px rgb(131, 118,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8191, 18.9744, 18.2933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 118, 113) }
```

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

```
.background{ background-color: rgb(131,  
118, 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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