

Converting Colors

XYZ(18.9431, 18.7273, 18.2915)

Have a look what the booklet for
XYZ(18.9431, 18.7273, 18.2915)
contains.

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Color

**XYZ(18.8989, 18.6696,
18.2303)**

Conversions

Conversions Part 1

Format	Color
Hex	857471
RGB	133, 116, 113
RGB Percent	52%, 45%, 44%
CMY	0.4784, 0.5451, 0.5569
CMYK	0.00, 0.13, 0.15, 0.48
HSL	9°, 8%, 48%
HSV	9°, 15%, 52%
XYZ	18.8989, 18.6696, 18.2303
YIQ	120.7410, 11.0950, 2.6710

Conversions

Conversions Part 2

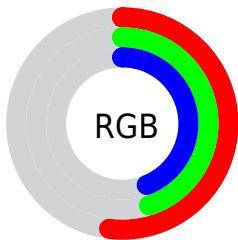
Format	Color
R_{YB}	133, 117, 113
Decimal	8746097
CIE Lab	50.30, 6.07, 4.08
CIE LCh	50, 7.307, 33.899
Yxy	18.6696, 0.3387, 0.3346
Android (android.graphics.Color)	4286936177 (0xFF857471)
YUV	120.7410, -3.8163, 10.7511
Hunter-Lab	43.2083, 2.4596, 5.2304

Details

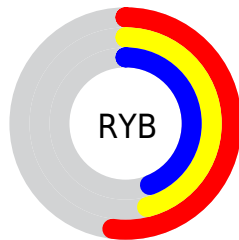
The XYZ color **18.8989, 18.6696, 18.2303** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.0262, 21.1689, 25.2737**, and the grayscale version is **18.1002, 19.0429, 20.7377**.

A 20% lighter version of the original color is **41.0439, 41.1610, 41.3789**, and **6.5885, 6.3549, 5.8804** is the 20% darker color. If you saturate the color by 10%, you get **16.9798, 15.9431, 14.1632**, and if you desaturate by 10%, it is **21.0873, 21.7588, 22.9291**.

Distribution



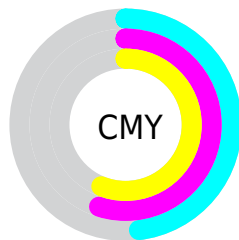
- Red (52%)
- Green (45%)
- Blue (44%)



- Red (52%)
- Yellow (46%)
- Blue (44%)



- Cyan (0%)
- Magenta (13%)
- Yellow (15%)
- Black (48%)



- Cyan (48%)
- Magenta (55%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8989, 18.6696, 18.2303 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 18.8989, 18.6696, 18.2303 by changing the saturation by 10% instead.

■ 18.8989, 18.6696,
18.2303

■ 18.8989, 18.6696,
18.2303

238.8389,
244.6186, 254.4455

■ 11.7008, 11.4318,
10.9443

■ 41.0814, 41.1751,
41.2486

■ 6.6110, 6.3580,
5.9157

■ 56.7965, 57.2115,
57.8180

■ 3.2642, 3.0640,
2.7259

■ 76.0814, 76.9496,
78.3189

■ 1.2950, 1.1652,
0.9564

■ 99.3013, 100.7737,
103.1699

■ 0.1795, 0.0330,
0.0000

126.8216,
129.0683, 132.7895

■ 0.0000, 0.0000,
0.0000

159.0078,

162.2177, 167.5963

196.2251,
200.6064, 208.0088

■ 18.8989, 18.6696,
18.2303

■ 18.8989, 18.6696,
18.2303

■ 16.9798, 15.9431,
14.1632

■ 21.0873, 21.7588,
22.9291

■ 15.3181, 13.5635,
10.6997

■ 23.5534, 25.2208,
28.2837

■ 13.9032, 11.5177,
7.8112

■ 26.3071, 29.0683,
34.3184

■ 12.7232, 9.7906,
5.4666

■ 29.3571, 33.3127,
41.0559

■ 11.7651, 8.3660,
3.6315

■ 32.7121, 37.9649,
48.5179

■ 11.0148, 7.2265,
2.2679

■ 36.3802, 43.0356,
56.7251

■ 10.4562, 6.3524,
1.3322

■ 40.3693, 48.5347,
65.6975

■ 10.0692, 5.7212,
0.7631

■ 44.6870, 54.4721,
75.4541

■ 9.9225, 5.4857,
0.5359

■ 49.3405, 60.8572,
86.0134

Harmonies

Analogous

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



19.1379, 18.6696, 20.0641



18.8989, 18.6696, 18.2303



18.3505, 18.6696, 17.0242

Triad

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



18.8989, 18.6696, 18.2303



16.5503, 18.6696, 18.6607



17.8376, 18.6696, 24.4708

Complementary

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



18.8989, 18.6696, 18.2303



19.0262, 21.1689, 25.2737

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.



17.1527, 18.6696, 24.0338



18.8989, 18.6696, 18.2303



16.4212, 18.6696, 20.5943

Square

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



18.8989, 18.6696, 18.2303



16.9965, 18.6696, 17.2609



16.6388, 18.6696, 22.5808



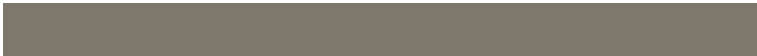
18.5150, 18.6696, 23.7386

Rectangle

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



18.8989, 18.6696, 18.2303



17.8900, 18.6696, 16.6928



16.6388, 18.6696, 22.5808



17.6006, 18.6696, 24.4561

Sweetspot

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



18.8994, 18.6704, 18.2307



37.7311, 38.9206, 40.9924



19.6075, 18.4088, 23.6391



8.4449, 8.6902, 9.1151



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.



18.8994, 18.6704, 18.2307



32.6329, 31.7168, 30.0673



20.1146, 21.1007, 18.6357



4.7249, 4.7933, 4.9055



9.4554, 5.2335, 0.5118



0.0361, 0.0248, 0.0029

Inverse Universe

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



19.0262, 21.1689, 25.2737



32.9041, 37.0697, 45.1593



17.7604, 18.6374, 24.8518



4.7437, 5.1630, 5.9473



9.6654, 12.8787, 23.1131



0.0375, 0.0526, 0.0814

Previews

White Background



This preview shows how the XYZ color 18.8989, 18.6696, 18.2303 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 18.8989, 18.6696, 18.2303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

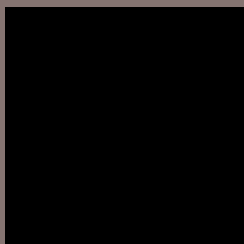
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.8989, 18.6696, 18.2303

Background



This preview shows how black text looks on a background with the XYZ color 18.8989, 18.6696, 18.2303.



This preview shows how white text looks on a background with the XYZ color 18.8989, 18.6696,

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

18.8989, 18.6696, 18.2303

Protanopia

17.8597, 18.6424, 18.8767

Deuteranopia

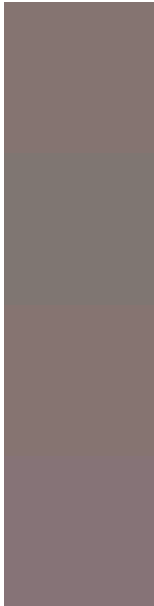
19.0575, 18.7514, 18.2377



Tritanopia

19.4240, 18.5330, 21.2924

Trichromacy



Original Color

18.8989, 18.6696, 18.2303

Protanomaly

18.2681, 18.6838, 18.5631

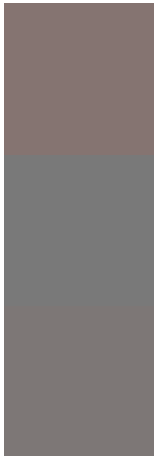
Deuteranomaly

19.0575, 18.7514, 18.2377

Tritanomaly

19.2920, 18.6617, 20.0380

Monochromacy



Original Color

18.8989, 18.6696, 18.2303

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.3243, 18.8616, 19.8144

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8989, 18.6696, 18.2303 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(133, 116, 113)` looks like.

```
.text, #text, p{  
    color:rgb(133, 116, 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(133, 116, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 116, 113) }
```

Border

The CSS property to change the border of an element to XYZ 18.8989, 18.6696, 18.2303 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(133, 116, 113) }
```


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

```
.border{ border-color:rgb(133, 116, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 116, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 116, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 116, 113);  
box-shadow:4px 4px 4px 4px rgb(133, 116,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8989, 18.6696, 18.2303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 116, 113) }
```

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

```
.background{ background-color: rgb(133,  
116, 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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