

Converting Colors

XYZ(18.6553, 18.4187, 20.8897)

Have a look what the booklet for
XYZ(18.6553, 18.4187, 20.8897)
contains.

XYZ(18.6603, 18.4851, 20.9968)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.6603, 18.4851,
20.9968)**

Conversions

Conversions Part 1

Format	Color
Hex	80747A
RGB	128, 116, 122
RGB Percent	50%, 45%, 48%
CMY	0.4980, 0.5451, 0.5216
CMYK	0.00, 0.09, 0.05, 0.50
HSL	330°, 5%, 48%
HSV	330°, 9%, 50%
XYZ	18.6603, 18.4851, 20.9968
YIQ	120.2720, 5.2260, 4.4100

Conversions

Conversions Part 2

Format	Color
R_{YB}	128, 116, 122
Decimal	8418426
CIE _{Lab}	50.08, 5.78, -1.62
CIE _{LCh}	50, 5.999, 344.353
Yxy	18.4851, 0.3209, 0.3179
Android (android.graphics.Color)	4286608506 (0xFF80747A)
YUV	120.2720, 0.8519, 6.7775
Hunter-Lab	42.9943, 2.2322, 1.1410

Details

The XYZ color **18.6603, 18.4851, 20.9968** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.4352, 20.5569, 21.4096**, and the grayscale version is **17.9363, 18.8704, 20.5498**.

A 20% lighter version of the original color is **40.6987, 40.8850, 45.7909**, and **6.4942, 6.2775, 7.1727** is the 20% darker color. If you saturate the color by 10%, you get **16.9018, 15.5818, 18.5179**, and if you desaturate by 10%, it is **20.6493, 21.8071, 23.6819**.

Distribution



Red (50%)

Green (45%)

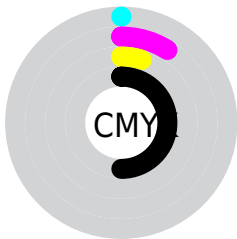
Blue (48%)



Red (50%)

Yellow (45%)

Blue (48%)



Cyan (0%)

Magenta (9%)

Yellow (5%)

Black (50%)



Cyan (50%)

Magenta (55%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6603, 18.4851, 20.9968 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 18.6603, 18.4851, 20.9968 by changing the saturation by 10% instead.

■ 18.6603, 18.4851,
20.9968

■ 18.6603, 18.4851,
20.9968

237.5412,
243.5913, 270.0420

■ 11.5276, 11.2988,
12.9304

■ 40.6806, 40.8622,
45.9629

■ 6.4928, 6.2682,
7.2505

■ 56.2990, 56.8218,
63.6998

■ 3.1905, 3.0088,
3.5384

■ 75.4766, 76.4747,
85.4972

■ 1.2553, 1.1364,
1.3757

■ 98.5788, 100.2052,
111.7738

■ 0.1494, 0.0088,
0.1227

125.9711,
128.3977, 142.9480

■ 0.0000, 0.0000,
0.0000

158.0187,

161.4366, 179.4384

195.0869,
199.7063, 221.6635

■ 18.6603, 18.4851,
20.9968

■ 18.6603, 18.4851,
20.9968

■ 16.9018, 15.5818,
18.5179

■ 20.6493, 21.8071,
23.6819

■ 15.3634, 13.0781,
16.2386

■ 22.8756, 25.5611,
26.5772

■ 14.0364, 10.9570,
14.1537

■ 25.3474, 29.7630,
29.6880

■ 12.9108, 9.1991,
12.2572

■ 28.0723, 34.4269,
33.0191

■ 11.9755, 7.7836,
10.5428

■ 31.0574, 39.5665,
36.5751

■ 11.2187, 6.6874,
9.0037

■ 34.3097, 45.1947,
40.3604

■ 10.6269, 5.8845,
7.6325

■ 37.8356, 51.3242,
44.3793

■ 10.1846, 5.3450,
6.4210

■ 41.6416, 57.9669,
48.6361

■ 9.8474, 4.9813,
5.3513

■ 45.7339, 65.1346,
53.1348

Harmonies

Analogous

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



18.3570, 18.4851, 22.4870



18.6603, 18.4851, 20.9968



18.6671, 18.4851, 19.3492

Triad

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



18.6603, 18.4851, 20.9968



17.2958, 18.4851, 17.2016



16.7877, 18.4851, 22.4324

Complementary

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



18.6603, 18.4851, 20.9968



18.4352, 20.5569, 21.4096

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.



16.5159, 18.4851, 20.9256



18.6603, 18.4851, 20.9968



16.8049, 18.4851, 17.9384

Square

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



18.6603, 18.4851, 20.9968



17.8706, 18.4851, 17.2184



16.5221, 18.4851, 19.2818



17.2718, 18.4851, 23.3463

Rectangle

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



18.6603, 18.4851, 20.9968



18.5020, 18.4851, 18.3859



16.5221, 18.4851, 19.2818



16.6689, 18.4851, 21.9750

Sweetspot

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



18.6608, 18.4859, 20.9972



35.0140, 36.1458, 39.9055



18.1684, 18.1877, 22.9753



8.1368, 8.3609, 9.2610



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.



18.6608, 18.4859, 20.9972



32.2423, 31.5305, 36.1205



18.3005, 18.3418, 19.0997



4.4104, 4.3773, 4.9657



9.7450, 4.9177, 5.2471



0.0000, 0.0000, 0.0000

Inverse Universe

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



18.6608, 18.4859, 20.9972



32.2423, 31.5305, 36.1205



18.8184, 20.7102, 23.4279



4.4104, 4.3773, 4.9657



9.7450, 4.9177, 5.2471



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.6603, 18.4851, 20.9968 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 18.6603, 18.4851, 20.9968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

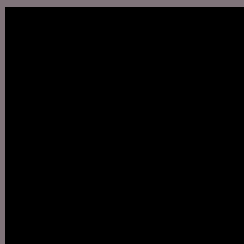
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.6603, 18.4851, 20.9968

Background



This preview shows how black text looks on a background with the XYZ color 18.6603, 18.4851, 20.9968.



This preview shows how white text looks on a background with the XYZ color 18.6603, 18.4851,

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

18.6603, 18.4851, 20.9968

Protanopia

17.9177, 18.6168, 21.3879

Deuteranopia

18.8115, 18.5631, 21.0039



Tritanopia

18.8491, 18.5606, 21.9911

Trichromacy



Original Color

18.6603, 18.4851, 20.9968

Protanomaly

18.2220, 18.5979, 21.3682

Deuteranomaly

18.8115, 18.5631, 21.0039

Tritanomaly

18.7856, 18.5352, 21.6563

Monochromacy



Original Color

18.6603, 18.4851, 20.9968

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.2164, 18.7851, 20.7549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6603, 18.4851, 20.9968 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, 116, 122) looks like.

```
.text, #text, p{  
    color:rgb(128, 116, 122)  
}
```

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, 116, 122) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 18.6603, 18.4851, 20.9968 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, 116, 122) }
```


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

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

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

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

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

Background

The CSS property to change the background color of an element to XYZ 18.6603, 18.4851, 20.9968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor