

Converting Colors

XYZ(18.8964, 18.8016, 6.9580)

Have a look what the booklet for
XYZ(18.8964, 18.8016, 6.9580)
contains.

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Color

**XYZ(18.8004, 18.6987,
6.8933)**

Conversions

Conversions Part 1

Format	Color
Hex	92733C
RGB	146, 115, 60
RGB Percent	57%, 45%, 24%
CMY	0.4275, 0.5490, 0.7647
CMYK	0.00, 0.21, 0.59, 0.43
HSL	38°, 42%, 40%
HSV	38°, 59%, 57%
XYZ	18.8004, 18.6987, 6.8933
YIQ	117.9990, 36.1310, -10.5330

Conversions

Conversions Part 2

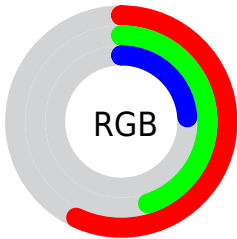
Format	Color
R_YB	108, 146, 60
Decimal	9597756
CIE Lab	50.33, 5.41, 34.66
CIE LCh	50, 35.075, 81.129
Yxy	18.6987, 0.4235, 0.4212
Android (android.graphics.Color)	4287787836 (0xFF92733C)
YUV	117.9990, -28.5935, 24.5569
Hunter-Lab	43.2420, 1.9333, 20.8178

Details

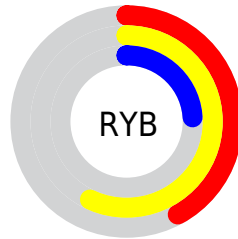
The XYZ color **18.8004, 18.6987, 6.8933** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **10.7927, 10.5177, 28.6553**, and the grayscale version is **17.2988, 18.1997, 19.8194**.

A 20% lighter version of the original color is **40.9362, 41.2981, 20.2818**, and **6.5940, 6.3705, 1.2629** is the 20% darker color. If you saturate the color by 10%, you get **17.8835, 17.3998, 4.9393**, and if you desaturate by 10%, it is **19.8589, 20.1106, 9.4204**.

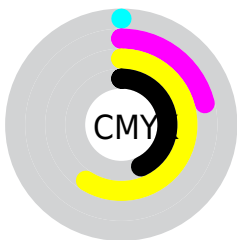
Distribution



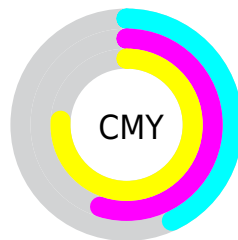
- Red (57%)
- Green (45%)
- Blue (24%)



- Red (42%)
- Yellow (57%)
- Blue (24%)



- Cyan (0%)
- Magenta (21%)
- Yellow (59%)
- Black (43%)



- Cyan (43%)
- Magenta (55%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8004, 18.6987, 6.8933 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 18.8004, 18.6987, 6.8933 by changing the saturation by 10% instead.

■ 18.8004, 18.6987,
6.8933

■ 18.8004, 18.6987,
6.8933

238.3040,
244.7803, 176.3713

■ 11.6293, 11.4528,
3.3180

■ 40.9160, 41.2243,
20.2674

■ 6.5622, 6.3722,
1.2592

■ 56.5913, 57.2729,
30.9034

■ 3.2337, 3.0727,
0.0280

■ 75.8319, 77.0243,
44.7300

■ 1.2785, 1.1698,
0.0000

■ 99.0034, 100.8632,
62.1657

■ 0.1671, 0.0368,
0.0000

■ 126.4709,
129.1738, 83.6292

■ 0.0000, 0.0000,
0.0000

■ 158.6000,

162.3407, 109.5389

195.7559,
200.7480, 140.3134

■ 18.8004, 18.6987,
6.8933

■ 18.8004, 18.6987,
6.8933

■ 17.8835, 17.3998,
4.9393

■ 19.8589, 20.1106,
9.4204

■ 17.0975, 16.2063,
3.5097

■ 21.0663, 21.6370,
12.5617

■ 16.4315, 15.1139,
2.5494

■ 22.4308, 23.2828,
16.3557

■ 15.8615, 14.1119,
1.9339

■ 23.9595, 25.0517,
20.8376

■ 15.8016, 14.0062,
1.8706

■ 25.6591, 26.9472,
26.0398

■ 27.5359, 28.9726,
31.9928

■ 29.5957, 31.1311,
38.7254

■ 31.8441, 33.4256,
46.2647

■ 34.2867, 35.8592,
54.6365

Harmonies

Analogous

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



22.2015, 18.6987, 8.9806



18.8004, 18.6987, 6.8933



15.5175, 18.6987, 7.4086

Triad

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



18.8004, 18.6987, 6.8933



12.3430, 18.6987, 27.8862



23.3669, 18.6987, 34.5234

Complementary

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



18.8004, 18.6987, 6.8933



10.7927, 10.5177, 28.6553

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.



20.2361, 18.6987, 43.3080



18.8004, 18.6987, 6.8933



13.9757, 18.6987, 38.7037

Square

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



18.8004, 18.6987, 6.8933



12.0616, 18.6987, 17.6055



16.7829, 18.6987, 45.0430



25.0501, 18.6987, 23.3872

Rectangle

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



18.8004, 18.6987, 6.8933



13.8081, 18.6987, 9.2584



16.7829, 18.6987, 45.0430



22.4313, 18.6987, 37.9800

Sweetspot

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



18.8008, 18.6996, 6.8937



42.4213, 44.3687, 37.2215



15.3814, 10.1074, 11.1590



9.2720, 9.6823, 7.7871



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



18.8008, 18.6996, 6.8937



31.0332, 29.9304, 7.7212



21.0112, 25.9962, 8.1856



6.0914, 6.3966, 6.1541



13.9271, 12.3686, 1.6533



0.1985, 0.2074, 0.0296

Inverse Universe

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



10.7927, 10.5177, 28.6553



15.5646, 14.1683, 49.8880



9.4372, 6.6646, 27.9830



5.6604, 5.9548, 7.3208



5.6906, 4.0760, 24.4179



0.0958, 0.1022, 0.3076

Previews

White Background



This preview shows how the XYZ color 18.8004, 18.6987, 6.8933 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 18.8004, 18.6987, 6.8933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

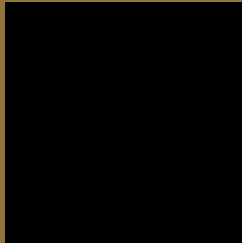
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.8004, 18.6987, 6.8933

Background



This preview shows how black text looks on a background with the XYZ color 18.8004, 18.6987, 6.8933.



This preview shows how white text looks on a background with the XYZ color 18.8004, 18.6987,

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

18.8004, 18.6987, 6.8933

Protanopia

17.1017, 18.6863, 7.2629

Deuteranopia

19.0457, 18.6568, 6.8723



Tritanopia

21.4420, 18.8009, 19.3284

Trichromacy



Original Color

18.8004, 18.6987, 6.8933

Protanomaly

17.6373, 18.6122, 7.0778

Deuteranomaly

18.8655, 18.5639, 6.8638

Tritanomaly

20.1902, 18.6030, 13.5929

Monochromacy



Original Color

18.8004, 18.6987, 6.8933

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.4210, 18.1748, 13.8992

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8004, 18.6987, 6.8933 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(146, 115, 60)` looks like.

```
.text, #text, p{  
    color:rgb(146, 115, 60)  
}
```

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(146, 115, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 115, 60) }
```

Border

The CSS property to change the border of an element to XYZ 18.8004, 18.6987, 6.8933 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(146, 115, 60) }
```


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

```
.border{ border-color:rgb(146, 115, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 115, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 115, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 115, 60);  
box-shadow:4px 4px 4px 4px rgb(146, 115,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8004, 18.6987, 6.8933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 115, 60) }
```

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

```
.background{ background-color: rgb(146,  
115, 60) }
```

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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