

Converting Colors

XYZ(19.3812, 18.8610, 32.0560)

Have a look what the booklet for
XYZ(19.3812, 18.8610, 32.0560)
contains.

XYZ(19.2833, 18.7389, 31.8788)	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(19.2833, 18.7389,
31.8788)**

Conversions

Conversions Part 1

Format	Color
Hex	757597
RGB	117, 117, 151
RGB Percent	46%, 46%, 59%
CMY	0.5412, 0.5412, 0.4078
CMYK	0.23, 0.23, 0.00, 0.41
HSL	240°, 14%, 53%
HSV	240°, 23%, 59%
XYZ	19.2833, 18.7389, 31.8788
YIQ	120.8760, -10.9140, 10.5740

Conversions

Conversions Part 2

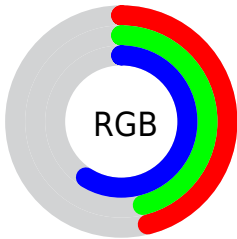
Format	Color
R_{YB}	117, 117, 151
Decimal	7697815
CIE _{Lab}	50.38, 7.68, -18.36
CIE _{LCh}	50, 19.896, 292.698
Yxy	18.7389, 0.2759, 0.2681
Android (android.graphics.Color)	4285887895 (0xFF757597)
YUV	120.8760, 14.8511, -3.3993
Hunter-Lab	43.2885, 3.7599, -13.3609

Details

The XYZ color **19.2833, 18.7389, 31.8788** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **27.0401, 29.9967, 21.1948**, and the grayscale version is **18.0906, 19.0327, 20.7266**.

A 20% lighter version of the original color is **41.7850, 41.3298, 63.5327**, and **6.8123, 6.4053, 12.9339** is the 20% darker color. If you saturate the color by 10%, you get **15.7962, 14.5372, 31.2519**, and if you desaturate by 10%, it is **23.3827, 23.6784, 32.6165**.

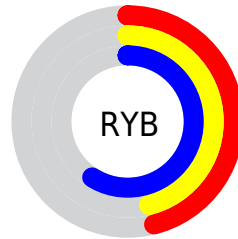
Distribution



Red (46%)

Green (46%)

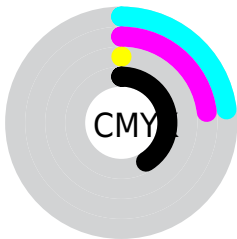
Blue (59%)



Red (46%)

Yellow (46%)

Blue (59%)

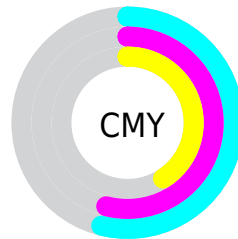


Cyan (23%)

Magenta (23%)

Yellow (0%)

Black (41%)



Cyan (54%)

Magenta (54%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2833, 18.7389, 31.8788 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 19.2833, 18.7389, 31.8788 by changing the saturation by 10% instead.

■ 19.2833, 18.7389,
31.8788

■ 19.2833, 18.7389,
31.8788

240.9165,
245.0035, 325.0425

■ 11.9804, 11.4818,
21.0049

■ 41.7254, 41.2924,
63.7167

■ 6.8024, 6.3919,
12.9363

■ 57.5954, 57.3576,
85.5178

■ 3.3841, 3.0848,
7.2545

■ 77.0517, 77.1276,
111.7984

■ 1.3600, 1.1762,
3.5409

100.4598,
100.9868, 142.9770

■ 0.2274, 0.0421,
1.3770

128.1849,
129.3196, 179.4722

■ 0.0000, 0.0000,
0.1237

160.5925,

■ 0.0000, 0.0000,

162.5104, 221.7025

0.0000

198.0479,
200.9436, 270.0864

■ 19.2833, 18.7389,
31.8788

■ 19.2833, 18.7389,
31.8788

■ 15.7962, 14.5372,
31.2519

■ 23.3827, 23.6784,
32.6165

■ 12.8903, 11.0358,
30.7292

■ 28.1199, 29.3863,
33.4685

■ 10.5346, 8.1973,
30.3055

■ 33.5210, 35.8942,
34.4400

■ 8.6944, 5.9800,
29.9745

■ 39.6104, 43.2314,
35.5353

■ 7.3311, 4.3373,
29.7293

■ 46.4110, 51.4255,
36.7585

■ 6.4008, 3.2163,
29.5619

■ 53.9448, 60.5030,
38.1135

■ 5.8512, 2.5541,
29.4631

■ 62.2327, 70.4893,
39.6043

■ 5.5861, 2.2346,
29.4154

■ 71.2950, 81.4085,
41.2342

■ 81.1510, 93.2841,
43.0070

Harmonies

Analogous

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



17.3427, 18.7389, 32.8826



19.2833, 18.7389, 31.8788



20.9328, 18.7389, 27.5552

Triad

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



19.2833, 18.7389, 31.8788



20.1586, 18.7389, 13.0556



14.3737, 18.7389, 19.0807

Complementary

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



19.2833, 18.7389, 31.8788



27.0401, 29.9967, 21.1948

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.



15.0157, 18.7389, 14.6104



19.2833, 18.7389, 31.8788



18.2872, 18.7389, 11.5642

Square

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



19.2833, 18.7389, 31.8788



21.4631, 18.7389, 16.5667



16.4152, 18.7389, 12.0769



14.5982, 18.7389, 24.7912

Rectangle

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



19.2833, 18.7389, 31.8788



21.5989, 18.7389, 23.7346



16.4152, 18.7389, 12.0769



14.4937, 18.7389, 17.3996

Sweetspot

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



19.2839, 18.7397, 31.8792



46.2908, 47.7252, 59.2058



23.9431, 28.1315, 33.2058



10.4205, 10.7258, 13.4386



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



19.2839, 18.7397, 31.8792



31.2629, 29.6177, 56.5027



21.6890, 19.9792, 31.9917



5.8845, 6.0264, 7.7820



4.7522, 1.9010, 25.0242



0.0711, 0.0284, 0.3741

Inverse Universe

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



22.3351, 20.5867, 19.6270



37.7126, 33.5220, 30.6038



24.1999, 28.5330, 21.0620



6.2088, 6.2227, 6.4798



10.8574, 5.5972, 0.5083



0.1623, 0.0837, 0.0076

Previews

White Background



This preview shows how the XYZ color 19.2833, 18.7389, 31.8788 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 19.2833, 18.7389, 31.8788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

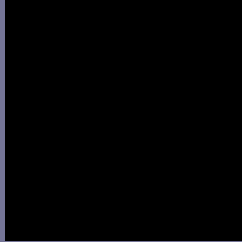
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.2833, 18.7389, 31.8788

Background



This preview shows how black text looks on a background with the XYZ color 19.2833, 18.7389, 31.8788.



This preview shows how white text looks on a background with the XYZ color 19.2833, 18.7389,

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

19.2833, 18.7389, 31.8788

Protanopia

18.8199, 18.8402, 32.3504

Deuteranopia

19.1346, 18.8361, 31.9054



Tritanopia

17.6767, 18.7972, 23.8156

Trichromacy



Original Color

19.2833, 18.7389, 31.8788

Protanomaly

18.9560, 18.7346, 32.3228

Deuteranomaly

19.2668, 18.9042, 31.9116

Tritanomaly

18.2433, 18.8453, 26.7207

Monochromacy



Original Color

19.2833, 18.7389, 31.8788

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.6271, 19.0920, 24.5332

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2833, 18.7389, 31.8788 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(117, 117, 151)` looks like.

```
.text, #text, p{  
    color:rgb(117, 117, 151)  
}
```

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(117, 117, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 117, 151) }
```

Border

The CSS property to change the border of an element to XYZ 19.2833, 18.7389, 31.8788 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(117, 117, 151) }
```


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

```
.border{ border-color:rgb(117, 117, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 117, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 117, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 117, 151);  
box-shadow:4px 4px 4px 4px rgb(117, 117,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2833, 18.7389, 31.8788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 117, 151) }
```

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

```
.background{ background-color: rgb(117,  
117, 151) }
```

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