

Converting Colors

XYZ(17.8338, 19.6392, 5.9828)

Have a look what the booklet for
XYZ(17.8338, 19.6392, 5.9828)
contains.

XYZ(17.8338, 19.6392, 5.9828)	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(17.8338, 19.6392,
5.9828)**

Conversions

Conversions Part 1

Format	Color
Hex	887B33
RGB	136, 123, 51
RGB Percent	53%, 48%, 20%
CMY	0.4667, 0.5176, 0.8000
CMYK	0.00, 0.10, 0.62, 0.47
HSL	51°, 45%, 37%
HSV	51°, 62%, 53%
XYZ	17.8338, 19.6392, 5.9828
YIQ	118.6790, 30.8600, -19.6360

Conversions

Conversions Part 2

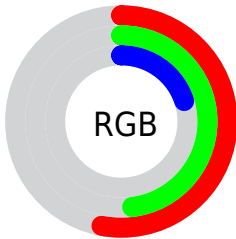
Format	Color
RYB	66, 136, 51
Decimal	8944435
CIELab	51.43, -4.39, 40.22
CIELCh	51, 40.457, 96.226
Yxy	19.6392, 0.4104, 0.4519
Android (android.graphics.Color)	4287134515 (0xFF887B33)
YUV	118.6790, -33.3657, 15.1905
Hunter-Lab	44.3161, -5.7209, 23.0170

Details

The XYZ color **17.8338, 19.6392, 5.9828** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **7.6425, 6.1479, 24.0761**, and the grayscale version is **17.5288, 18.4416, 20.0829**.

A 20% lighter version of the original color is **39.1161, 42.6564, 18.2285**, and **6.0834, 6.8712, 1.0056** is the 20% darker color. If you saturate the color by 10%, you get **17.3217, 19.0267, 4.5432**, and if you desaturate by 10%, it is **18.4400, 20.2996, 7.8871**.

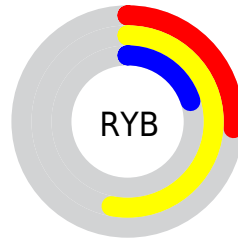
Distribution



Red (53%)

Green (48%)

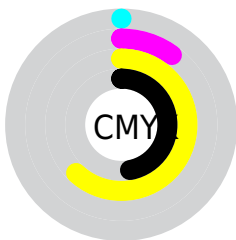
Blue (20%)



Red (26%)

Yellow (53%)

Blue (20%)

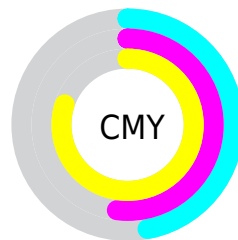


Cyan (0%)

Magenta (10%)

Yellow (62%)

Black (47%)



Cyan (47%)

Magenta (52%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8338, 19.6392, 5.9828 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 17.8338, 19.6392, 5.9828 by changing the saturation by 10% instead.

■ 17.8338, 19.6392,
5.9828

■ 17.8338, 19.6392,
5.9828

232.9963,
249.9551, 168.2183

■ 10.9297, 12.1331,
2.7660

■ 39.2862, 42.8114,
18.3722

■ 6.0865, 6.8344,
0.9764

■ 54.5653, 59.2463,
28.3820

■ 2.9389, 3.3587,
0.0000

■ 73.3666, 79.4262,
41.4931

■ 1.1215, 1.3218,
0.0000

■ 96.0557, 103.7356,
58.1241

■ 0.0430, 0.1580,
0.0000

■ 122.9979,
132.5588, 78.6936

■ 0.0000, 0.0000,
0.0000

■ 154.5585,

166.2801, 103.6201

191.1028,
205.2841, 133.3222

■ 17.8338, 19.6392,
5.9828

■ 17.8338, 19.6392,
5.9828

■ 17.3217, 19.0267,
4.5432

■ 18.4400, 20.2996,
7.8871

■ 16.8945, 18.4562,
3.5254

■ 19.1460, 21.0079,
10.2916

■ 16.5432, 17.9247,
2.8809

■ 19.9585, 21.7677,
13.2296

■ 16.3075, 17.5427,
2.5266

■ 20.8832, 22.5814,
16.7312

■ 21.9256, 23.4511,
20.8243

■ 23.0905, 24.3788,
25.5349

■ 24.3826, 25.3665,
30.8876

■ 25.8064, 26.4159,
36.9055

■ 27.3660, 27.5290,
43.6105

Harmonies

Analogous

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



21.9887, 19.6392, 6.7690



17.8338, 19.6392, 5.9828



14.4283, 19.6392, 7.9570

Triad

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



17.8338, 19.6392, 5.9828



13.0578, 19.6392, 37.4766



26.7476, 19.6392, 31.7055

Complementary

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



17.8338, 19.6392, 5.9828



7.6425, 6.1479, 24.0761

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.



23.6626, 19.6392, 44.9225



17.8338, 19.6392, 5.9828



15.6970, 19.6392, 49.0119

Square

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



17.8338, 19.6392, 5.9828



11.9400, 19.6392, 23.8973



19.5247, 19.6392, 52.1407



27.5376, 19.6392, 19.0529

Rectangle

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



17.8338, 19.6392, 5.9828



12.9076, 19.6392, 11.2190



19.5247, 19.6392, 52.1407



25.9249, 19.6392, 36.3508

Sweetspot

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



17.8343, 19.6401, 5.9832



37.3473, 40.2579, 31.5983



12.2962, 7.9856, 5.9200



8.5461, 9.2359, 6.9174



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



17.8343, 19.6401, 5.9832



30.1982, 33.1073, 7.1804



15.5455, 21.0144, 6.3691



5.3670, 5.7169, 5.3730



15.4401, 16.6146, 2.3932



0.1107, 0.1267, 0.0186

Inverse Universe

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



7.6425, 6.1479, 24.0761



10.7123, 7.3530, 41.9030



8.8802, 5.8221, 23.9480



4.8324, 5.0078, 6.3177



4.4611, 2.1924, 22.2337



0.0364, 0.0281, 0.1500

Previews

White Background



This preview shows how the XYZ color 17.8338, 19.6392, 5.9828 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 17.8338, 19.6392, 5.9828 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

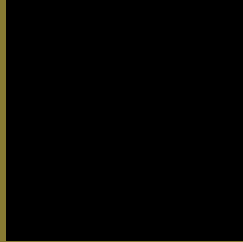
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.8338, 19.6392, 5.9828

Background



This preview shows how black text looks on a background with the XYZ color 17.8338, 19.6392, 5.9828.



This preview shows how white text looks on a background with the XYZ color 17.8338, 19.6392,

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

17.8338, 19.6392, 5.9828

Protanopia

17.9970, 19.7233, 5.9904

Deuteranopia

19.9528, 19.6550, 6.1103



Tritanopia

20.9242, 19.4675, 21.7236

Trichromacy



Original Color

17.8338, 19.6392, 5.9828

Protanomaly

17.9970, 19.7233, 5.9904

Deuteranomaly

19.0707, 19.5526, 6.0177

Tritanomaly

19.4513, 19.3954, 14.0277

Monochromacy



Original Color

17.8338, 19.6392, 5.9828

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.1943, 18.6011, 13.2738

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8338, 19.6392, 5.9828 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(136, 123, 51)` looks like.

```
.text, #text, p{  
    color:rgb(136, 123, 51)  
}
```

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(136, 123, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 123, 51) }
```

Border

The CSS property to change the border of an element to XYZ 17.8338, 19.6392, 5.9828 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(136, 123, 51) }
```


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

```
.border{ border-color:rgb(136, 123, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 123, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 123, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 123, 51);  
box-shadow:4px 4px 4px 4px rgb(136, 123,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8338, 19.6392, 5.9828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 123, 51) }
```

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

```
.background{ background-color: rgb(136,  
123, 51) }
```

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