

Converting Colors

XYZ(19.8001, 19.9576, 6.3481)

Have a look what the booklet for
XYZ(19.8001, 19.9576, 6.3481)
contains.

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Color

**XYZ(19.8404, 19.9440,
6.2939)**

Conversions

Conversions Part 1

Format	Color
Hex	967736
RGB	150, 119, 54
RGB Percent	59%, 47%, 21%
CMY	0.4118, 0.5333, 0.7882
CMYK	0.00, 0.21, 0.64, 0.41
HSL	41°, 47%, 40%
HSV	41°, 64%, 59%
XYZ	19.8404, 19.9440, 6.2939
YIQ	120.8590, 39.3410, -13.6430

Conversions

Conversions Part 2

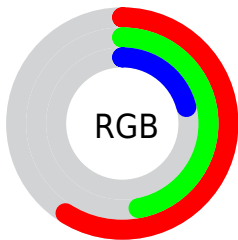
Format	Color
RYB	100, 150, 54
Decimal	9860918
CIELab	51.77, 4.47, 39.52
CIELCh	52, 39.773, 83.542
Yxy	19.9440, 0.4306, 0.4328
Android (android.graphics.Color)	4288050998 (0xFF967736)
YUV	120.8590, -32.9615, 25.5567
Hunter-Lab	44.6587, 1.1490, 22.9052

Details

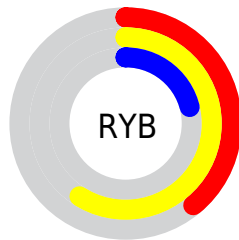
The XYZ color **19.8404, 19.9440, 6.2939** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **10.2748, 9.4830, 30.1430**, and the grayscale version is **18.2230, 19.1720, 20.8783**.

A 20% lighter version of the original color is **42.7432, 43.3705, 18.9505**, and **7.0935, 6.9998, 1.0634** is the 20% darker color. If you saturate the color by 10%, you get **18.9794, 18.7014, 4.5290**, and if you desaturate by 10%, it is **20.8404, 21.2907, 8.6416**.

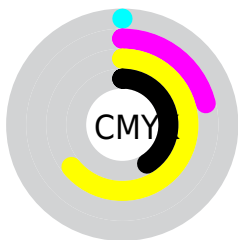
Distribution



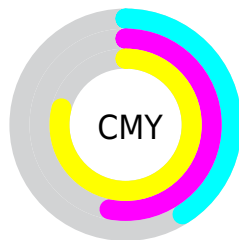
- Red (59%)
- Green (47%)
- Blue (21%)



- Red (39%)
- Yellow (59%)
- Blue (21%)



- Cyan (0%)
- Magenta (21%)
- Yellow (64%)
- Black (41%)



- Cyan (41%)
- Magenta (53%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8404, 19.9440, 6.2939 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 19.8404, 19.9440, 6.2939 by changing the saturation by 10% instead.

■ 19.8404, 19.9440,
6.2939

■ 19.8404, 19.9440,
6.2939

243.8999,
251.6118, 171.0623

■ 12.3867, 12.3543,
2.9529

■ 42.6554, 43.3233,
19.0260

■ 7.0817, 6.9855,
1.0707

■ 58.7474, 59.8817,
29.2543

■ 3.5600, 3.4530,
0.0000

■ 78.4496, 80.1985,
42.6154

■ 1.4564, 1.3726,
0.0000

■ 102.1272,
104.6580, 59.5278

■ 0.2959, 0.1964,
0.0000

■ 130.1457,
133.6447, 80.4102

■ 0.0000, 0.0000,
0.0000

■ 162.8704,

167.5430, 105.6811

200.6667,
206.7372, 135.7589

■ 19.8404, 19.9440,
6.2939

■ 19.8404, 19.9440,
6.2939

■ 18.9794, 18.7014,
4.5290

■ 20.8404, 21.2907,
8.6416

■ 18.2451, 17.5551,
3.2911

■ 21.9875, 22.7432,
11.6189

■ 17.6252, 16.5001,
2.5144

■ 23.2907, 24.3065,
15.2689

■ 17.2867, 15.9020,
2.1583

■ 24.7577, 25.9843,
19.6307

■ 26.3958, 27.7801,
24.7404

■ 28.2117, 29.6974,
30.6316

■ 30.2118, 31.7392,
37.3357

■ 32.4021, 33.9086,
44.8826

■ 34.7882, 36.2083,
53.3006

Harmonies

Analogous

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



23.9394, 19.9440, 8.3178



19.8404, 19.9440, 6.2939



16.0287, 19.9440, 7.0705

Triad

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



19.8404, 19.9440, 6.2939



12.7071, 19.9440, 31.8314



25.8904, 19.9440, 37.7372

Complementary

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



19.8404, 19.9440, 6.2939



10.2748, 9.4830, 30.1430

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.



22.2200, 19.9440, 49.0477



19.8404, 19.9440, 6.2939



14.7174, 19.9440, 44.8785

Square

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



19.8404, 19.9440, 6.2939



12.2565, 19.9440, 19.3159



18.0986, 19.9440, 52.0417



27.7375, 19.9440, 24.3063

Rectangle

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



19.8404, 19.9440, 6.2939



14.1070, 19.9440, 9.2817



18.0986, 19.9440, 52.0417



24.8059, 19.9440, 42.0811

Sweetspot

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



19.8409, 19.9450, 6.2943



44.9904, 47.2958, 38.6462



15.5767, 9.7944, 9.8739



9.8071, 10.3011, 8.0588



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



19.8409, 19.9450, 6.2943



32.8823, 32.0691, 6.8967



21.4038, 27.1474, 7.6021



6.1092, 6.4321, 6.1600



14.3670, 13.2485, 1.8000



0.2026, 0.2158, 0.0310

Inverse Universe

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



10.2748, 9.4830, 30.1430



14.6717, 12.2204, 52.5067



9.3502, 6.1427, 29.5470



5.6433, 5.9206, 7.3151



5.4837, 3.6622, 24.3489



0.0916, 0.0938, 0.3062

Previews

White Background



This preview shows how the XYZ color 19.8404, 19.9440, 6.2939 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 19.8404, 19.9440, 6.2939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

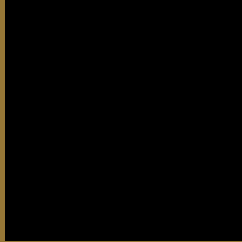
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.8404, 19.9440, 6.2939

Background



This preview shows how black text looks on a background with the XYZ color 19.8404, 19.9440, 6.2939.



This preview shows how white text looks on a background with the XYZ color 19.8404, 19.9440,

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

19.8404, 19.9440, 6.2939

Protanopia

18.2138, 20.0095, 6.5167

Deuteranopia

20.2812, 19.9955, 6.2806



Tritanopia

22.7019, 19.9130, 20.4164

Trichromacy



Original Color

19.8404, 19.9440, 6.2939

Protanomaly

18.8045, 19.9457, 6.4732

Deuteranomaly

20.0932, 19.8986, 6.2718

Tritanomaly

21.3789, 19.8783, 13.7764

Monochromacy



Original Color

19.8404, 19.9440, 6.2939

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.3899, 19.2015, 14.0463

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8404, 19.9440, 6.2939 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(150, 119, 54)` looks like.

```
.text, #text, p{  
    color:rgb(150, 119, 54)  
}
```

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(150, 119, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 119, 54) }
```

Border

The CSS property to change the border of an element to XYZ 19.8404, 19.9440, 6.2939 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(150, 119, 54) }
```


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

```
.border{ border-color:rgb(150, 119, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 119, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 119, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 119, 54);  
box-shadow:4px 4px 4px 4px rgb(150, 119,  
54) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8404, 19.9440, 6.2939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 119, 54) }
```

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

```
.background{ background-color: rgb(150,  
119, 54) }
```

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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