

Converting Colors

XYZ(18.9575, 12.6363, 6.7518)

Have a look what the booklet for
XYZ(18.9575, 12.6363, 6.7518)
contains.

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Color

**XYZ(18.9566, 12.6350,
6.7499)**

Conversions

Conversions Part 1

Format	Color
Hex	A74343
RGB	167, 67, 67
RGB Percent	65%, 26%, 26%
CMY	0.3451, 0.7372, 0.7373
CMYK	0.00, 0.60, 0.60, 0.35
HSL	0°, 43%, 46%
HSV	0°, 60%, 65%
XYZ	18.9566, 12.6350, 6.7499
YIQ	96.9000, 59.6000, 21.2000

Conversions

Conversions Part 2

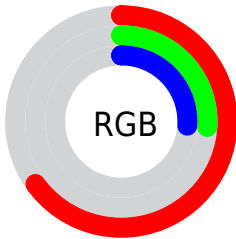
Format	Color
R_{YB}	167, 67, 67
Decimal	10961731
CIE Lab	42.21, 41.23, 21.20
CIE LCh	42, 46.367, 27.214
Yxy	12.6350, 0.4944, 0.3295
Android (android.graphics.Color)	4289151811 (0xFFA74343)
YUV	96.9000, -14.7407, 61.4777
Hunter-Lab	35.5457, 32.9893, 13.6232

Details

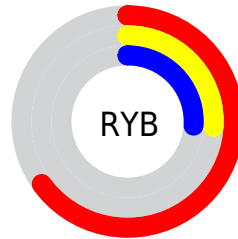
The XYZ color **18.9566, 12.6350, 6.7499** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **23.1076, 31.6188, 41.4442**, and the grayscale version is **11.3630, 11.9547, 13.0187**.

A 20% lighter version of the original color is **41.0554, 30.6002, 19.9622**, and **6.5912, 3.5565, 1.2032** is the 20% darker color. If you saturate the color by 10%, you get **17.6723, 10.7559, 4.1964**, and if you desaturate by 10%, it is **20.6723, 15.1458, 10.1601**.

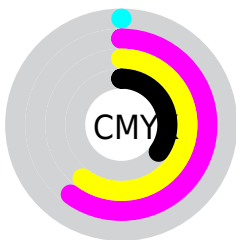
Distribution



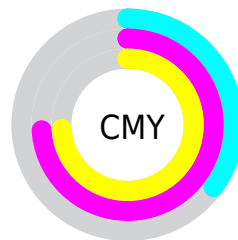
- Red (65%)
- Green (26%)
- Blue (26%)



- Red (65%)
- Yellow (26%)
- Blue (26%)



- Cyan (0%)
- Magenta (60%)
- Yellow (60%)
- Black (35%)





- Cyan (35%)
- Magenta (74%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9566, 12.6350, 6.7499 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 18.9566, 12.6350, 6.7499 by changing the saturation by 10% instead.


 18.9566, 12.6350,
6.7499


 18.9566, 12.6350,
6.7499


239.1518,
208.5650, 175.1204


 11.7427, 7.1777,
3.2301


 41.1782, 30.6465,
19.9725


 6.6397, 3.5735,
1.2133


 56.9166, 43.9694,
30.5124

 3.2821, 1.4380,
0.0000

 76.2273, 60.6830,
44.2295

 1.3047, 0.2444,
0.0000

 99.4756, 81.1717,
61.5422

 0.1867, 0.0000,
0.0000

 127.0268,
105.8199, 82.8691

 0.0000, 0.0000,
0.0000

159.2464,

135.0119, 108.6287

196.4996,
169.1321, 139.2396

■ 18.9566, 12.6350,
6.7499

■ 18.9566, 12.6350,
6.7499

■ 17.6723, 10.7559,
4.1964

■ 20.6723, 15.1458,
10.1601

■ 16.7801, 9.4504,
2.4231

■ 22.8520, 18.3354,
14.4932

■ 16.2357, 8.6537,
1.3409

■ 25.5264, 22.2488,
19.8097

■ 15.9396, 8.2204,
0.7524

■ 28.7232, 26.9267,
26.1649

■ 15.9364, 8.2156,
0.7458

■ 32.4682, 32.4067,
33.6098

■ 36.7854, 38.7239,
42.1922

■ 41.6972, 45.9113,
51.9568

■ 47.2252, 54.0002,
62.9463

■ 53.3895, 63.0203,
75.2009

Harmonies

Analogous

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



19.9624, 12.6350, 14.7051



18.9566, 12.6350, 6.7499



15.9873, 12.6350, 3.1471

Triad

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



18.9566, 12.6350, 6.7499



7.2364, 12.6350, 5.7997



11.6885, 12.6350, 42.9436

Complementary

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



18.9566, 12.6350, 6.7499



23.1076, 31.6188, 41.4442

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.



8.7526, 12.6350, 36.8204



18.9566, 12.6350, 6.7499



6.5110, 12.6350, 12.8512

Square

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



18.9566, 12.6350, 6.7499



9.2144, 12.6350, 2.8130



7.0080, 12.6350, 24.4497



15.3186, 12.6350, 38.6361

Rectangle

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



18.9566, 12.6350, 6.7499



13.5438, 12.6350, 2.2820



7.0080, 12.6350, 24.4497



10.5951, 12.6350, 41.9890

Sweetspot

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



18.9569, 12.6357, 6.7501



52.4184, 49.6533, 48.8014



24.9185, 15.0199, 38.1448



11.3379, 10.5374, 10.1409



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



18.9569, 12.6357, 6.7501



31.0276, 18.3523, 6.2782



23.3107, 21.3433, 8.2014



7.5312, 7.5424, 7.8482



12.1947, 6.2867, 0.5707



0.2967, 0.1530, 0.0139

Inverse Universe

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



23.1076, 31.6188, 41.4442



39.1438, 55.4720, 74.1194



15.6511, 16.7060, 38.9587



7.7475, 8.5320, 9.6568



15.9105, 23.2811, 31.6306



0.3871, 0.5665, 0.7696

Previews

White Background



This preview shows how the XYZ color 18.9566, 12.6350, 6.7499 looks on a white 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

Black Background



This preview shows how the XYZ color 18.9566, 12.6350, 6.7499 looks on a black 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

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

XYZ 18.9566, 12.6350, 6.7499

Background



This preview shows how black text looks on a background with the XYZ color 18.9566, 12.6350, 6.7499.



This preview shows how white text looks on a background with the XYZ color 18.9566, 12.6350,

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

18.9566, 12.6350, 6.7499

Protanopia

11.9862, 12.7726, 9.6182

Deuteranopia

12.9375, 12.7785, 6.3420



Tritanopia

19.0219, 12.5669, 7.3843

Trichromacy



Original Color

18.9566, 12.6350, 6.7499

Protanomaly

13.6963, 12.0904, 8.4493

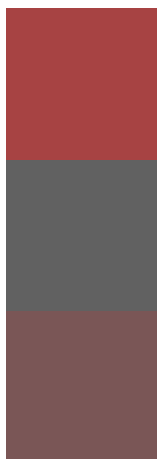
Deuteranomaly

14.6551, 12.2704, 6.4465

Tritanomaly

18.9901, 12.5541, 7.2167

Monochromacy



Original Color

18.9566, 12.6350, 6.7499

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

13.0335, 11.4650, 10.3301

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9566, 12.6350, 6.7499 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(167, 67, 67)` looks like.

```
.text, #text, p{  
    color:rgb(167, 67, 67)  
}
```

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(167, 67, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 67, 67) }
```

Border

The CSS property to change the border of an element to XYZ 18.9566, 12.6350, 6.7499 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(167, 67, 67) }
```


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

```
.border{ border-color:rgb(167, 67, 67) }
```

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

Here you see how a box with a 4 pixel rgb(167, 67, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 67, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 67, 67);  
box-shadow:4px 4px 4px 4px rgb(167, 67,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9566, 12.6350, 6.7499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 67, 67) }
```

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

```
.background{ background-color: rgb(167, 67,  
67) }
```

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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