

Converting Colors

XYZ(18.9802, 15.3603, 12.0534)

Have a look what the booklet for
XYZ(18.9802, 15.3603, 12.0534)
contains.

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Color

**XYZ(18.9830, 15.3737,
12.0921)**

Conversions

Conversions Part 1

Format	Color
Hex	995D5C
RGB	153, 93, 92
RGB Percent	60%, 36%, 36%
CMY	0.4000, 0.6353, 0.6392
CMYK	0.00, 0.39, 0.40, 0.40
HSL	1°, 25%, 48%
HSV	1°, 40%, 60%
XYZ	18.9830, 15.3737, 12.0921
YIQ	110.8260, 36.0810, 12.4090

Conversions

Conversions Part 2

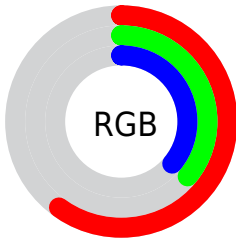
Format	Color
R_{YB}	153, 93, 92
Decimal	10050908
CIE _{Lab}	46.14, 24.41, 11.01
CIE _{LCh}	46, 26.780, 24.269
Yxy	15.3737, 0.4087, 0.3310
Android (android.graphics.Color)	4288240988 (0xFF995D5C)
YUV	110.8260, -9.2812, 36.9866
Hunter-Lab	39.2093, 17.8036, 9.1616

Details

The XYZ color **18.9830, 15.3737, 12.0921** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.3912, 27.0306, 34.2271**, and the grayscale version is **15.0781, 15.8633, 17.2751**.

A 20% lighter version of the original color is **41.1502, 35.4548, 30.2658**, and **6.6157, 4.8039, 3.1633** is the 20% darker color. If you saturate the color by 10%, you get **17.1871, 12.7464, 8.5203**, and if you desaturate by 10%, it is **21.1747, 18.5764, 16.4626**.

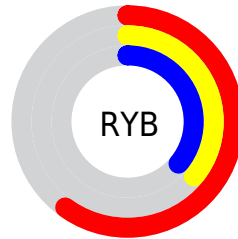
Distribution



Red (60%)

Green (36%)

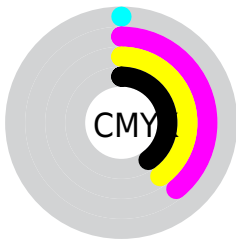
Blue (36%)



Red (60%)

Yellow (36%)

Blue (36%)

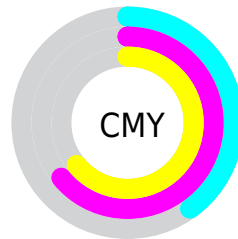


Cyan (0%)

Magenta (39%)

Yellow (40%)

Black (40%)



Cyan (40%)

Magenta (64%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9830, 15.3737, 12.0921 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 18.9830, 15.3737, 12.0921 by changing the saturation by 10% instead.

■ 18.9830, 15.3737,
12.0921

■ 18.9830, 15.3737,
12.0921

239.2948,
225.6171, 216.0136

■ 11.7619, 9.0821,
6.6831

■ 41.2225, 35.5074,
30.3296

■ 6.6528, 4.7948,
3.1893

■ 56.9716, 50.1183,
43.9953

■ 3.2903, 2.1273,
1.1921

■ 76.2941, 68.2711,
61.2502

■ 1.3091, 0.6799,
0.0000

■ 99.5553, 90.3502,
82.5131

■ 0.1900, 0.0000,
0.0000

127.1206,
116.7399, 108.2023

■ 0.0000, 0.0000,
0.0000

159.3554,

147.8247, 138.7364

196.6250,
183.9890, 174.5340

■ 18.9830, 15.3737,
12.0921

■ 18.9830, 15.3737,
12.0921

■ 17.1871, 12.7464,
8.5203

■ 21.1747, 18.5764,
16.4626

■ 15.7624, 10.6583,
5.6982

■ 23.7826, 22.3833,
21.6750

■ 14.6832, 9.0728,
3.5725

■ 26.8270, 26.8242,
27.7707

■ 13.9202, 7.9474,
2.0829

■ 30.3268, 31.9260,
34.7879

■ 13.4392, 7.2332,
1.1587

■ 34.2996, 37.7143,
42.7626

■ 13.1675, 6.8317,
0.6304

■ 38.7619, 44.2131,
51.7290

■ 13.1642, 6.8270,
0.6239

■ 43.7298, 51.4454,
61.7193

■ 49.2184, 59.4331,
72.7647

■ 55.2422, 68.1974,
84.8946

Harmonies

Analogous

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



19.4214, 15.3737, 18.0244



18.9830, 15.3737, 12.0921



17.3241, 15.3737, 8.4776

Triad

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



18.9830, 15.3737, 12.0921



11.3354, 15.3737, 10.4270



14.1789, 15.3737, 32.5924

Complementary

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



18.9830, 15.3737, 12.0921



21.3912, 27.0306, 34.2271

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.



12.1993, 15.3737, 29.1360



18.9830, 15.3737, 12.0921



10.6708, 15.3737, 15.5169

Square

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



18.9830, 15.3737, 12.0921



12.8838, 15.3737, 7.7058



10.9698, 15.3737, 22.4466



16.4887, 15.3737, 30.9877

Rectangle

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



18.9830, 15.3737, 12.0921



15.8331, 15.3737, 7.3311



10.9698, 15.3737, 22.4466



13.4559, 15.3737, 31.9612

Sweetspot

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



18.9834, 15.3745, 12.0924



46.6804, 46.0503, 47.0022



22.7139, 16.7266, 32.1685



10.1640, 9.9590, 10.0911



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.



18.9834, 15.3745, 12.0924



31.0478, 23.2192, 15.7902



22.0898, 21.5873, 13.1279



6.2165, 6.2381, 6.4823



10.8824, 5.6473, 0.5165



0.1646, 0.0882, 0.0084

Inverse Universe

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



21.3912, 27.0306, 34.2271



35.9811, 47.1101, 61.1687



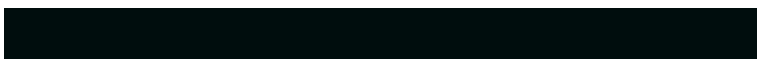
17.1846, 18.6175, 32.8249



6.3759, 7.0091, 7.9458



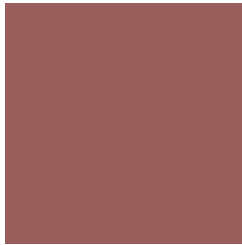
13.8324, 20.0614, 28.0509



0.2092, 0.3047, 0.4202

Previews

White Background



This preview shows how the XYZ color 18.9830, 15.3737, 12.0921 looks on a white background.

Color Contrast Check

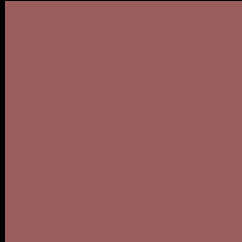
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.9830, 15.3737, 12.0921 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 18.9830, 15.3737, 12.0921

Background



This preview shows how black text looks on a background with the XYZ color 18.9830, 15.3737, 12.0921.



This preview shows how white text looks on a background with the XYZ color 18.9830, 15.3737,

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

18.9830, 15.3737, 12.0921

Protanopia

14.7083, 15.4348, 14.2606

Deuteranopia

15.6494, 15.3534, 11.8115



Tritanopia

19.4057, 15.4252, 13.7589

Trichromacy



Original Color

18.9830, 15.3737, 12.0921

Protanomaly

15.9100, 15.1528, 13.3955

Deuteranomaly

16.6954, 15.2969, 11.9702

Tritanomaly

19.2649, 15.3688, 13.0174

Monochromacy



Original Color

18.9830, 15.3737, 12.0921

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

16.0532, 15.3357, 15.2107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9830, 15.3737, 12.0921 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(153, 93, 92)` looks like.

```
.text, #text, p{  
    color:rgb(153, 93, 92)  
}
```

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(153, 93, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 93, 92) }
```

Border

The CSS property to change the border of an element to XYZ 18.9830, 15.3737, 12.0921 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(153, 93, 92) }
```


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

```
.border{ border-color:rgb(153, 93, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 93, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 93, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 93, 92);  
box-shadow:4px 4px 4px 4px rgb(153, 93,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9830, 15.3737, 12.0921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 93, 92) }
```

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

```
.background{ background-color: rgb(153, 93,  
92) }
```

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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