

Converting Colors

XYZ(20.3780, 18.4082, 11.8038)

Have a look what the booklet for
XYZ(20.3780, 18.4082, 11.8038)
contains.

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Color

**XYZ(20.3670, 18.4142,
11.7134)**

Conversions

Conversions Part 1

Format	Color
Hex	996D58
RGB	153, 109, 88
RGB Percent	60%, 43%, 35%
CMY	0.4000, 0.5725, 0.6549
CMYK	0.00, 0.29, 0.42, 0.40
HSL	19°, 27%, 47%
HSV	19°, 42%, 60%
XYZ	20.3670, 18.4142, 11.7134
YIQ	119.7620, 32.9650, 2.7970

Conversions

Conversions Part 2

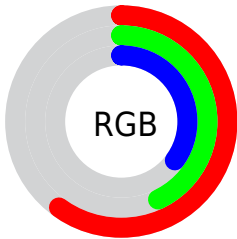
Format	Color
R_{YB}	153, 119, 88
Decimal	10055000
CIE _{Lab}	49.99, 14.74, 18.66
CIE _{LCh}	50, 23.785, 51.694
Yxy	18.4142, 0.4034, 0.3647
Android (android.graphics.Color)	4288245080 (0xFF996D58)
YUV	119.7620, -15.6587, 29.1497
Hunter-Lab	42.9118, 9.6250, 13.8542

Details

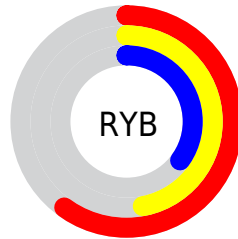
The XYZ color **20.3670, 18.4142, 11.7134** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **18.0252, 20.8764, 33.2165**, and the grayscale version is **17.8181, 18.7460, 20.4144**.

A 20% lighter version of the original color is **43.6268, 40.8800, 29.6360**, and **7.3422, 6.2140, 3.0029** is the 20% darker color. If you saturate the color by 10%, you get **18.7582, 16.1065, 8.3717**, and if you desaturate by 10%, it is **22.2400, 21.0372, 15.7998**.

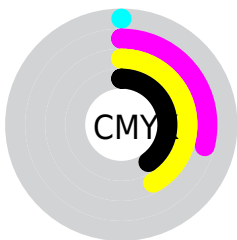
Distribution



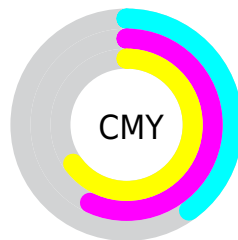
- Red (60%)
- Green (43%)
- Blue (35%)



- Red (60%)
- Yellow (47%)
- Blue (35%)



- Cyan (0%)
- Magenta (29%)
- Yellow (42%)
- Black (40%)



- Cyan (40%)
- Magenta (57%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3670, 18.4142, 11.7134 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 20.3670, 18.4142, 11.7134 by changing the saturation by 10% instead.

■ 20.3670, 18.4142,
11.7134

■ 20.3670, 18.4142,
11.7134

246.6909,
243.1954, 213.4087

■ 12.7719, 11.2478,
6.4287

■ 43.5309, 40.7419,
29.6286

■ 7.3476, 6.2337,
3.0345

■ 59.8304, 56.6719,
43.0961

■ 3.7287, 2.9877,
1.1123

■ 79.7621, 76.2919,
60.1284

■ 1.5498, 1.1253,
0.0000

■ 103.6914, 99.9862,
81.1438

■ 0.3594, 0.0000,
0.0000

■ 131.9835,
128.1394, 106.5610

■ 0.0000, 0.0000,
0.0000

165.0039,

161.1357, 136.7986

203.1179,
199.3596, 172.2749

■ 20.3670, 18.4142,
11.7134

■ 20.3670, 18.4142,
11.7134

■ 18.7582, 16.1065,
8.3717

■ 22.2400, 21.0372,
15.7998

■ 17.3992, 14.0992,
5.7280

■ 24.3877, 23.9846,
20.6716

■ 16.2764, 12.3799,
3.7317

■ 26.8218, 27.2682,
26.3678

■ 15.3742, 10.9341,
2.3251

■ 29.5527, 30.8984,
32.9245

■ 14.6744, 9.7461,
1.4398

■ 32.5904, 34.8854,
40.3756

■ 14.2536, 9.0058,
0.9870

■ 35.9444, 39.2386,
48.7533

■ 39.6238, 43.9673,
58.0879

■ 43.6372, 49.0803,
68.4087

■ 47.9930, 54.5863,
79.7434

Harmonies

Analogous

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



21.9066, 18.4142, 15.7521



20.3670, 18.4142, 11.7134



18.1441, 18.4142, 10.0044

Triad

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



20.3670, 18.4142, 11.7134



13.5074, 18.4142, 18.2878



19.1757, 18.4142, 34.1489

Complementary

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



20.3670, 18.4142, 11.7134



18.0252, 20.8764, 33.2165

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.



16.8755, 18.4142, 35.2423



20.3670, 18.4142, 11.7134



13.7315, 18.4142, 25.0660

Square

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



20.3670, 18.4142, 11.7134



14.2782, 18.4142, 13.2224



14.9194, 18.4142, 31.6233



21.1782, 18.4142, 28.8972

Rectangle

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



20.3670, 18.4142, 11.7134



16.6273, 18.4142, 10.0858



14.9194, 18.4142, 31.6233



18.4071, 18.4142, 35.0546

Sweetspot

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



20.3675, 18.4151, 11.7138



47.6786, 48.3571, 46.3779



20.8202, 15.4293, 23.8605



10.3229, 10.4025, 9.7568



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.



20.3675, 18.4151, 11.7138



33.7203, 29.0290, 15.2482



24.4356, 26.5513, 13.0698



6.3637, 6.5324, 6.5313



11.8080, 7.4984, 0.8250



0.2070, 0.1731, 0.0225

Inverse Universe

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



18.0252, 20.8764, 33.2165



28.9346, 34.0025, 59.0101



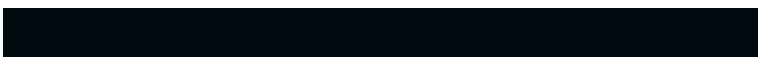
14.3237, 13.4732, 31.9827



6.2162, 6.6898, 7.8926



8.8381, 10.0728, 26.3861



0.1647, 0.2158, 0.4053

Previews

White Background



This preview shows how the XYZ color 20.3670, 18.4142, 11.7134 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 20.3670, 18.4142, 11.7134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

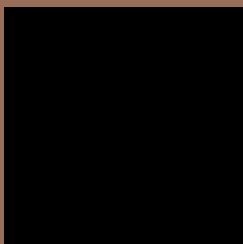
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.3670, 18.4142, 11.7134

Background



This preview shows how black text looks on a background with the XYZ color 20.3670, 18.4142, 11.7134.



This preview shows how white text looks on a background with the XYZ color 20.3670, 18.4142,

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

20.3670, 18.4142, 11.7134

Protanopia

17.3250, 18.4960, 13.0129

Deuteranopia

18.7221, 18.3855, 11.5788



Tritanopia

21.5498, 18.2640, 18.0123

Trichromacy



Original Color

20.3670, 18.4142, 11.7134

Protanomaly

18.1724, 18.2510, 12.4625

Deuteranomaly

19.1915, 18.2962, 11.5368

Tritanomaly

20.9792, 18.1776, 15.4996

Monochromacy



Original Color

20.3670, 18.4142, 11.7134

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.4679, 18.4790, 16.7808

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3670, 18.4142, 11.7134 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, 109, 88)` looks like.

```
.text, #text, p{  
    color:rgb(153, 109, 88)  
}
```

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, 109, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 109, 88) }
```

Border

The CSS property to change the border of an element to XYZ 20.3670, 18.4142, 11.7134 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, 109, 88) }
```


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

```
.border{ border-color:rgb(153, 109, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 109, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 109, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 109, 88);  
box-shadow:4px 4px 4px 4px rgb(153, 109,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3670, 18.4142, 11.7134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 109, 88) }
```

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

```
.background{ background-color: rgb(153,  
109, 88) }
```

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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