

Converting Colors

XYZ(20.2238, 18.0413, 11.0107)

Have a look what the booklet for
XYZ(20.2238, 18.0413, 11.0107)
contains.

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Color

**XYZ(20.2238, 18.0413,
11.0107)**

Conversions

Conversions Part 1

Format	Color
Hex	9A6B55
RGB	154, 107, 85
RGB Percent	60%, 42%, 33%
CMY	0.3961, 0.5804, 0.6667
CMYK	0.00, 0.31, 0.45, 0.40
HSL	19°, 29%, 47%
HSV	19°, 45%, 60%
XYZ	20.2238, 18.0413, 11.0107
YIQ	118.5450, 35.0740, 3.1220

Conversions

Conversions Part 2

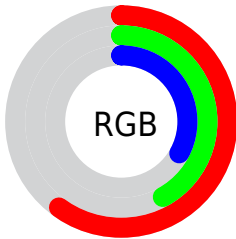
Format	Color
R_{YB}	154, 117, 85
Decimal	10120021
CIE Lab	49.55, 15.97, 19.83
CIE LCh	50, 25.465, 51.151
Yxy	18.0413, 0.4104, 0.3661
Android (android.graphics.Color)	4288310101 (0xFF9A6B55)
YUV	118.5450, -16.5377, 31.0940
Hunter-Lab	42.4751, 10.6585, 14.3629

Details

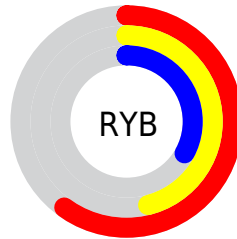
The XYZ color **20.2238, 18.0413, 11.0107** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **17.8299, 20.7660, 33.6403**, and the grayscale version is **17.4341, 18.3420, 19.9745**.

A 20% lighter version of the original color is **43.3497, 40.2472, 28.4054**, and **7.3138, 6.0478, 2.7894** is the 20% darker color. If you saturate the color by 10%, you get **18.6494, 15.7673, 7.7890**, and if you desaturate by 10%, it is **22.0650, 20.6357, 14.9787**.

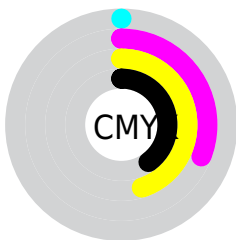
Distribution



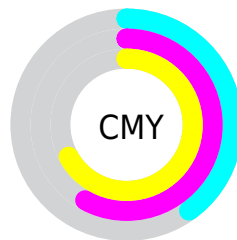
- Red (60%)
- Green (42%)
- Blue (33%)



- Red (60%)
- Yellow (46%)
- Blue (33%)



- Cyan (0%)
- Magenta (31%)
- Yellow (45%)
- Black (40%)





- Cyan (40%)
- Magenta (58%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.2238, 18.0413, 11.0107 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 20.2238, 18.0413, 11.0107 by changing the saturation by 10% instead.


 20.2238, 18.0413,
11.0107


 20.2238, 18.0413,
11.0107


245.9346,
241.1037, 208.4810


 12.6670, 10.9796,
5.9598


 43.2932, 40.1077,
28.3169


 7.2751, 6.0531,
2.7522


 59.5365, 55.8812,
41.4093


 3.6826, 2.8774,
0.9696

 79.4060, 75.3275,
58.0192

 1.5242, 1.0681,
0.0000

 103.2672, 98.8309,
78.5652

 0.3422, 0.0000,
0.0000

 131.4852,
126.7758, 103.4658

 0.0000, 0.0000,
0.0000

164.4256,

159.5467, 133.1397

202.4536,
197.5278, 168.0052

■ 20.2238, 18.0413,
11.0107

■ 20.2238, 18.0413,
11.0107

■ 18.6494, 15.7673,
7.7890

■ 22.0650, 20.6357,
14.9787

■ 17.3269, 13.7980,
5.2649

■ 24.1841, 23.5600,
19.7352

■ 16.2420, 12.1205,
3.3856

■ 26.5930, 26.8266,
25.3206

■ 15.3782, 10.7196,
2.0904

■ 29.3027, 30.4464,
31.7721

■ 14.7156, 9.5782,
1.3029

■ 32.3236, 34.4297,
39.1247

■ 14.4293, 9.0758,
0.9913

■ 35.6654, 38.7866,
47.4115

■ 39.3374, 43.5267,
56.6638

■ 43.3488, 48.6590,
66.9114

■ 47.7081, 54.1927,
78.1831

Harmonies

Analogous

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



21.8458, 18.0413, 15.2314



20.2238, 18.0413, 11.0107



17.8710, 18.0413, 9.2273

Triad

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



20.2238, 18.0413, 11.0107



12.9621, 18.0413, 17.6710



18.8758, 18.0413, 34.8138

Complementary

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



20.2238, 18.0413, 11.0107



17.8299, 20.7660, 33.6403

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.



16.4442, 18.0413, 35.9036



20.2238, 18.0413, 11.0107



13.1766, 18.0413, 24.8355

Square

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



20.2238, 18.0413, 11.0107



13.7842, 18.0413, 12.4360



14.4005, 18.0413, 31.9069



21.0182, 18.0413, 29.2066

Rectangle

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



20.2238, 18.0413, 11.0107



16.2666, 18.0413, 9.2833



14.4005, 18.0413, 31.9069



18.0601, 18.0413, 35.7653

Sweetspot

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



20.2243, 18.0422, 11.0111



49.0323, 49.7058, 47.7021



20.7501, 15.0372, 23.6925



10.8775, 10.9539, 10.2777



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



20.2243, 18.0422, 11.0111



33.8052, 28.5356, 14.0050



24.5427, 26.6790, 12.4505



6.3616, 6.5283, 6.5306



11.7853, 7.4531, 0.8174



0.2065, 0.1719, 0.0223

Inverse Universe

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



17.8299, 20.7660, 33.6403



28.8509, 34.0975, 60.5972



13.9142, 12.9345, 32.3350



6.2184, 6.6941, 7.8933



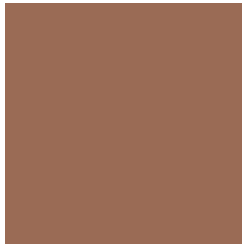
8.8917, 10.1801, 26.4040



0.1653, 0.2169, 0.4055

Previews

White Background



This preview shows how the XYZ color 20.2238, 18.0413, 11.0107 looks on a white background.

Color Contrast Check

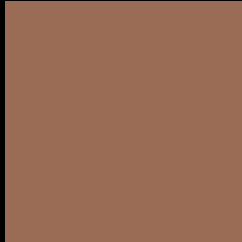
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2238, 18.0413, 11.0107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

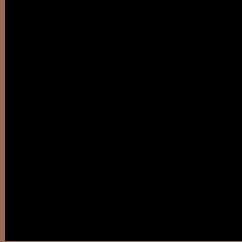
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.2238, 18.0413, 11.0107

Background



This preview shows how black text looks on a background with the XYZ color 20.2238, 18.0413, 11.0107.



This preview shows how white text looks on a background with the XYZ color 20.2238, 18.0413,

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

20.2238, 18.0413, 11.0107

Protanopia

16.9281, 18.1307, 12.2802

Deuteranopia

18.3206, 18.0258, 10.9012



Tritanopia

21.4298, 17.9161, 17.3676

Trichromacy



Original Color

20.2238, 18.0413, 11.0107

Protanomaly

17.9321, 17.9734, 11.7566

Deuteranomaly

18.9617, 18.0287, 10.8680

Tritanomaly

20.8662, 17.8285, 14.9119

Monochromacy



Original Color

20.2238, 18.0413, 11.0107

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.3003, 18.2285, 16.4638

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2238, 18.0413, 11.0107 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(154, 107, 85)` looks like.

```
.text, #text, p{  
    color:rgb(154, 107, 85)  
}
```

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(154, 107, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 107, 85) }
```

Border

The CSS property to change the border of an element to XYZ 20.2238, 18.0413, 11.0107 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(154, 107, 85) }
```


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

```
.border{ border-color:rgb(154, 107, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 107, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 107, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 107, 85);  
box-shadow:4px 4px 4px 4px rgb(154, 107,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2238, 18.0413, 11.0107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 107, 85) }
```

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

```
.background{ background-color: rgb(154,  
107, 85) }
```

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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