

Converting Colors

XYZ(20.9155, 18.7095, 11.5710)

Have a look what the booklet for
XYZ(20.9155, 18.7095, 11.5710)
contains.

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Color

**XYZ(20.8992, 18.6933,
11.5235)**

Conversions

Conversions Part 1

Format	Color
Hex	9C6D57
RGB	156, 109, 87
RGB Percent	61%, 43%, 34%
CMY	0.3882, 0.5725, 0.6588
CMYK	0.00, 0.30, 0.44, 0.39
HSL	19°, 28%, 48%
HSV	19°, 44%, 61%
XYZ	20.8992, 18.6933, 11.5235
YIQ	120.5450, 35.0740, 3.1220

Conversions

Conversions Part 2

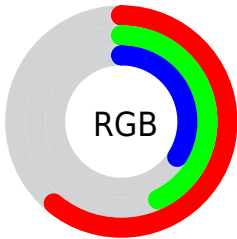
Format	Color
R_{YB}	156, 119, 87
Decimal	10251607
CIE _{Lab}	50.33, 15.90, 19.75
CIE _{LCh}	50, 25.355, 51.173
Yxy	18.6933, 0.4089, 0.3657
Android (android.graphics.Color)	4288441687 (0xFF9C6D57)
YUV	120.5450, -16.5377, 31.0940
Hunter-Lab	43.2357, 10.6204, 14.4626

Details

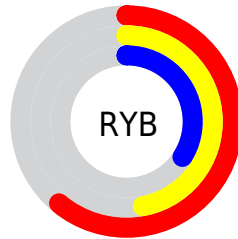
The XYZ color **20.8992, 18.6933, 11.5235** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **18.4559, 21.4758, 34.6248**, and the grayscale version is **18.0713, 19.0125, 20.7046**.

A 20% lighter version of the original color is **44.4116, 41.2929, 29.2965**, and **7.5485, 6.3224, 2.9203** is the 20% darker color. If you saturate the color by 10%, you get **19.2637, 16.3344, 8.1665**, and if you desaturate by 10%, it is **22.8104, 21.3832, 15.6523**.

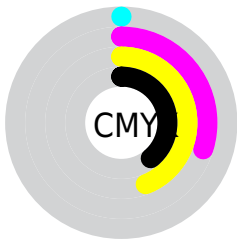
Distribution



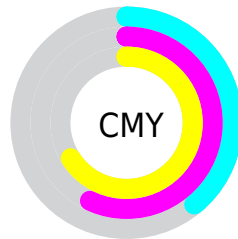
- Red (61%)
- Green (43%)
- Blue (34%)



- Red (61%)
- Yellow (47%)
- Blue (34%)



- Cyan (0%)
- Magenta (30%)
- Yellow (44%)
- Black (39%)



- Cyan (39%)
- Magenta (57%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8992, 18.6933, 11.5235 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 20.8992, 18.6933, 11.5235 by changing the saturation by 10% instead.

■ 20.8992, 18.6933,
11.5235

■ 20.8992, 18.6933,
11.5235

249.4842,
244.7503, 212.0894

■ 13.1624, 11.4489,
6.3015

■ 44.4123, 41.2152,
29.2755

■ 7.6182, 6.3696,
2.9575

■ 60.9192, 57.2615,
42.6427

■ 3.9014, 3.0711,
1.0730

■ 81.0802, 77.0105,
59.5620

■ 1.6465, 1.1690,
0.0000

■ 105.2607,
100.8466, 80.4519

■ 0.4224, 0.0361,
0.0000

■ 133.8260,
129.1543, 105.7311

■ 0.0000, 0.0000,
0.0000

167.1414,

162.3178, 135.8181

205.5724,
200.7217, 171.1313

■ 20.8992, 18.6933,
11.5235

■ 20.8992, 18.6933,
11.5235

■ 19.2637, 16.3344,
8.1665

■ 22.8104, 21.3832,
15.6523

■ 17.8887, 14.2906,
5.5314

■ 25.0088, 24.4138,
20.5965

■ 16.7595, 12.5482,
3.5642

■ 27.5066, 27.7979,
26.3973

■ 15.8592, 11.0919,
2.2024

■ 30.3152, 31.5468,
33.0933

■ 15.1678, 9.9041,
1.3707

■ 33.4452, 35.6712,
40.7202

■ 14.8401, 9.3275,
1.0182

■ 36.9066, 40.1813,
49.3122

■ 40.7091, 45.0869,
58.9015

■ 44.8619, 50.3976,
69.5189

■ 49.3740, 56.1226,
81.1939

Harmonies

Analogous

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



22.5503, 18.6933, 15.8450



20.8992, 18.6933, 11.5235



18.5028, 18.6933, 9.6925

Triad

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



20.8992, 18.6933, 11.5235



13.4935, 18.6933, 18.3462



19.5301, 18.6933, 35.7688

Complementary

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



20.8992, 18.6933, 11.5235



18.4559, 21.4758, 34.6248

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.



17.0518, 18.6933, 36.8775



20.8992, 18.6933, 11.5235



13.7137, 18.6933, 25.6459

Square

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



20.8992, 18.6933, 11.5235



14.3332, 18.6933, 12.9907



14.9653, 18.6933, 32.8279



21.7105, 18.6933, 30.0769

Rectangle

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



20.8992, 18.6933, 11.5235



16.8670, 18.6933, 9.7513



14.9653, 18.6933, 32.8279



18.6993, 18.6933, 36.7346

Sweetspot

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



20.8997, 18.6942, 11.5239



50.4312, 51.1222, 49.0558



21.4321, 15.6099, 24.4926



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.



20.8997, 18.6942, 11.5239



35.0381, 29.7406, 14.9312



25.3057, 27.5062, 12.9925



6.7971, 6.9743, 6.9736



12.2521, 7.7399, 0.8482



0.2549, 0.2100, 0.0271

Inverse Universe

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



18.4559, 21.4758, 34.6248



29.9955, 35.4102, 62.3807



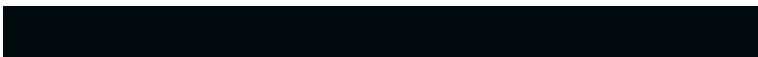
14.4551, 13.4741, 33.2912



6.6433, 7.1524, 8.4371



9.2417, 10.5750, 27.4613



0.2015, 0.2616, 0.5031

Previews

White Background



This preview shows how the XYZ color 20.8992, 18.6933, 11.5235 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 20.8992, 18.6933, 11.5235 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 20.8992, 18.6933, 11.5235

Background



This preview shows how black text looks on a background with the XYZ color 20.8992, 18.6933, 11.5235.



This preview shows how white text looks on a background with the XYZ color 20.8992, 18.6933,

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

20.8992, 18.6933, 11.5235

Protanopia

17.5503, 18.7948, 12.8280

Deuteranopia

19.1381, 18.7730, 11.4190



Tritanopia

22.1328, 18.5645, 18.0396

Trichromacy



Original Color

20.8992, 18.6933, 11.5235

Protanomaly

18.5721, 18.6322, 12.2904

Deuteranomaly

19.7976, 18.7780, 11.3852

Tritanomaly

21.5574, 18.4756, 15.5267

Monochromacy



Original Color

20.8992, 18.6933, 11.5235

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.9531, 18.8950, 17.1162

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8992, 18.6933, 11.5235 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(156, 109, 87)` looks like.

```
.text, #text, p{  
    color:rgb(156, 109, 87)  
}
```

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(156, 109, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 109, 87) }
```

Border

The CSS property to change the border of an element to XYZ 20.8992, 18.6933, 11.5235 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(156, 109, 87) }
```


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

```
.border{ border-color:rgb(156, 109, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 109, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 109, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 109, 87);  
box-shadow:4px 4px 4px 4px rgb(156, 109,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8992, 18.6933, 11.5235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 109, 87) }
```

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

```
.background{ background-color: rgb(156,  
109, 87) }
```

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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