

Converting Colors

XYZ(17.0076, 15.9433, 12.1311)

Have a look what the booklet for
XYZ(17.0076, 15.9433, 12.1311)
contains.

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Color

**XYZ(16.9920, 15.8902,
12.0691)**

Conversions

Conversions Part 1

Format	Color
Hex	88685B
RGB	136, 104, 91
RGB Percent	53%, 41%, 36%
CMY	0.4667, 0.5921, 0.6431
CMYK	0.00, 0.24, 0.33, 0.47
HSL	17°, 20%, 45%
HSV	17°, 33%, 53%
XYZ	16.9920, 15.8902, 12.0691
YIQ	112.0860, 23.2450, 2.7410

Conversions

Conversions Part 2

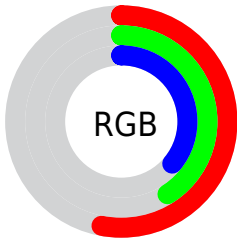
Format	Color
R_{YB}	136, 109, 91
Decimal	8939611
CIE _{Lab}	46.83, 10.85, 12.25
CIE _{LCh}	47, 16.367, 48.481
Yxy	15.8902, 0.3780, 0.3535
Android (android.graphics.Color)	4287129691 (0xFF88685B)
YUV	112.0860, -10.3954, 20.9726
Hunter-Lab	39.8625, 6.3289, 9.9526

Details

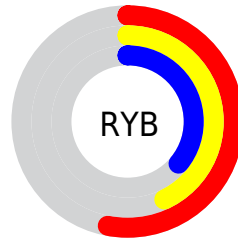
The XYZ color **16.9920, 15.8902, 12.0691** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **15.8411, 18.1671, 25.9643**, and the grayscale version is **15.4515, 16.2561, 17.7029**.

A 20% lighter version of the original color is **37.7643, 36.3129, 30.2180**, and **5.6831, 5.0470, 3.1573** is the 20% darker color. If you saturate the color by 10%, you get **15.5395, 13.8406, 8.9481**, and if you desaturate by 10%, it is **18.6633, 18.2072, 15.7880**.

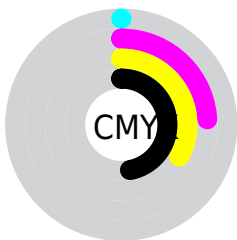
Distribution



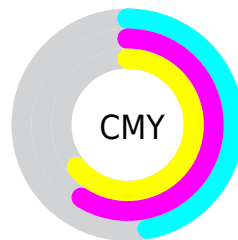
- Red (53%)
- Green (41%)
- Blue (36%)



- Red (53%)
- Yellow (43%)
- Blue (36%)



- Cyan (0%)
- Magenta (24%)
- Yellow (33%)
- Black (47%)



- Cyan (47%)
- Magenta (59%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9920, 15.8902, 12.0691 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 16.9920, 15.8902, 12.0691 by changing the saturation by 10% instead.

■ 16.9920, 15.8902,
12.0691

■ 16.9920, 15.8902,
12.0691

228.2834,
228.6929, 215.8563

■ 10.3241, 9.4465,
6.6676

■ 37.8557, 36.4075,
30.2872

■ 5.6783, 5.0335,
3.1799

■ 52.7822, 51.2498,
43.9409

■ 2.6892, 2.2670,
1.1872

■ 71.1923, 69.6605,
61.1824

■ 0.9916, 0.7561,
0.0000

■ 93.4512, 92.0240,
82.4303

■ 0.0000, 0.0000,
0.0000

119.9245,
118.7245, 108.1031

150.9774,

150.1466, 138.6193

186.9752,
186.6746, 174.3976

■ 16.9920, 15.8902,
12.0691

■ 16.9920, 15.8902,
12.0691

■ 15.5395, 13.8406,
8.9481

■ 18.6633, 18.2072,
15.7880

■ 14.2952, 12.0462,
6.3926

■ 20.5611, 20.7985,
20.1331

■ 13.2490, 10.4974,
4.3683

■ 22.6941, 23.6738,
25.1319

■ 12.3899, 9.1830,
2.8371

■ 25.0704, 26.8414,
30.8101

■ 11.7054, 8.0909,
1.7554

■ 27.6974, 30.3094,
37.1919

■ 11.1812, 7.2074,
1.0718

■ 30.5824, 34.0855,
44.3004

■ 10.8887, 6.7049,
0.7203

■ 33.7324, 38.1773,
52.1576

■ 37.1538, 42.5918,
60.7847

■ 40.8533, 47.3361,
70.2017

Harmonies

Analogous

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



17.8520, 15.8902, 14.9330



16.9920, 15.8902, 12.0691



15.6566, 15.8902, 10.6988

Triad

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



16.9920, 15.8902, 12.0691



12.5757, 15.8902, 15.7824



15.9879, 15.8902, 25.8564

Complementary

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



16.9920, 15.8902, 12.0691



15.8411, 18.1671, 25.9643

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.



14.5629, 15.8902, 26.1799



16.9920, 15.8902, 12.0691



12.6521, 15.8902, 19.9086

Square

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



16.9920, 15.8902, 12.0691



13.1443, 15.8902, 12.6065



13.3598, 15.8902, 23.8629



17.2476, 15.8902, 23.0382

Rectangle

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



16.9920, 15.8902, 12.0691



14.7029, 15.8902, 10.6465



13.3598, 15.8902, 23.8629



15.5106, 15.8902, 26.2752

Sweetspot

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



16.9924, 15.8909, 12.0694



37.2706, 38.0557, 37.8893



17.4854, 14.1529, 20.6314



8.5283, 8.6737, 8.5344



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



16.9924, 15.8909, 12.0694



27.9213, 25.1537, 16.9023



19.5347, 20.9754, 12.9168



5.1430, 5.2688, 5.2983



10.3130, 6.3605, 0.6841



0.0798, 0.0649, 0.0083

Inverse Universe

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



15.8411, 18.1671, 25.9643



25.5481, 29.8180, 45.4573



13.3880, 13.2608, 25.1466



5.0528, 5.4486, 6.3912



8.2342, 9.7386, 23.4914



0.0673, 0.0899, 0.1603

Previews

White Background



This preview shows how the XYZ color 16.9920, 15.8902, 12.0691 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 16.9920, 15.8902, 12.0691 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

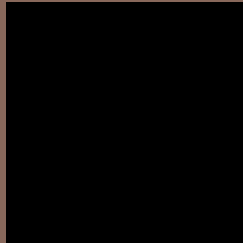
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.9920, 15.8902, 12.0691

Background



This preview shows how black text looks on a background with the XYZ color 16.9920, 15.8902, 12.0691.



This preview shows how white text looks on a background with the XYZ color 16.9920, 15.8902,

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

16.9920, 15.8902, 12.0691

Protanopia

15.0409, 15.9589, 12.8773

Deuteranopia

16.1564, 15.9207, 11.8943



Tritanopia

17.8952, 15.8148, 16.5774

Trichromacy



Original Color

16.9920, 15.8902, 12.0691

Protanomaly

15.6505, 15.8005, 12.5809

Deuteranomaly

16.5152, 15.9518, 11.8814

Tritanomaly

17.4662, 15.7804, 14.6957

Monochromacy



Original Color

16.9920, 15.8902, 12.0691

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.8525, 16.0017, 15.3498

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9920, 15.8902, 12.0691 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(136, 104, 91)` looks like.

```
.text, #text, p{  
    color:rgb(136, 104, 91)  
}
```

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(136, 104, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 104, 91) }
```

Border

The CSS property to change the border of an element to XYZ 16.9920, 15.8902, 12.0691 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(136, 104, 91) }
```


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

```
.border{ border-color:rgb(136, 104, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 104, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 104, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 104, 91);  
box-shadow:4px 4px 4px 4px rgb(136, 104,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9920, 15.8902, 12.0691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 104, 91) }
```

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

```
.background{ background-color: rgb(136,  
104, 91) }
```

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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