

Converting Colors

XYZ(16.7244, 19.0968, 9.6241)

Have a look what the booklet for
XYZ(16.7244, 19.0968, 9.6241)
contains.

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Color

**XYZ(16.8243, 19.2222,
9.6610)**

Conversions

Conversions Part 1

Format	Color
Hex	7C7C4C
RGB	124, 124, 76
RGB Percent	49%, 49%, 30%
CMY	0.5137, 0.5137, 0.7020
CMYK	0.00, 0.00, 0.39, 0.51
HSL	60°, 24%, 39%
HSV	60°, 39%, 49%
XYZ	16.8243, 19.2222, 9.6610
YIQ	118.5280, 15.4080, -14.9280

Conversions

Conversions Part 2

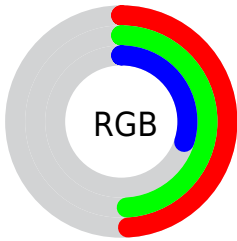
Format	Color
RYB	76, 124, 76
Decimal	8158284
CIELab	50.95, -7.82, 26.22
CIELCh	51, 27.362, 106.611
Yxy	19.2222, 0.3681, 0.4205
Android (android.graphics.Color)	4286348364 (0xFF7C7C4C)
YUV	118.5280, -20.9663, 4.7989
Hunter-Lab	43.8431, -8.2281, 17.6254

Details

The XYZ color **16.8243, 19.2222, 9.6610** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.2038, 8.1611, 20.1601**, and the grayscale version is **17.4466, 18.3552, 19.9888**.

A 20% lighter version of the original color is **37.4227, 41.9041, 25.8546**, and **5.5745, 6.5817, 2.2049** is the 20% darker color. If you saturate the color by 10%, you get **16.4342, 19.0668, 7.6053**, and if you desaturate by 10%, it is **17.2985, 19.4126, 12.1553**.

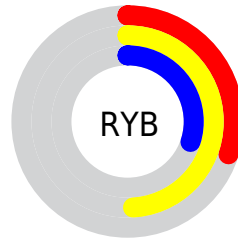
Distribution



Red (49%)

Green (49%)

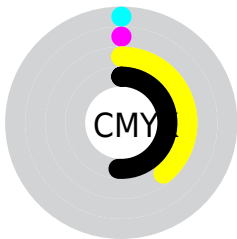
Blue (30%)



Red (30%)

Yellow (49%)

Blue (30%)

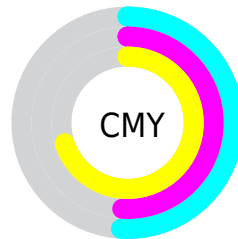


Cyan (0%)

Magenta (0%)

Yellow (39%)

Black (51%)



Cyan (51%)

Magenta (51%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8243, 19.2222, 9.6610 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 16.8243, 19.2222, 9.6610 by changing the saturation by 10% instead.

■ 16.8243, 19.2222,
9.6610

■ 16.8243, 19.2222,
9.6610

227.3339,
247.6727, 198.6313

■ 10.2038, 11.8309,
5.0721

■ 37.5694, 42.1092,
25.7537

■ 5.5976, 6.6287,
2.2302

■ 52.4248, 58.3738,
38.0945

■ 2.6403, 3.2310,
0.6917

■ 70.7559, 78.3649,
53.8565

■ 0.9665, 1.2535,
0.0000

■ 92.9280, 102.4670,
73.4580

■ 0.0000, 0.1047,
0.0000

■ 119.3065,
131.0644, 97.3178

■ 0.0000, 0.0000,
0.0000

150.2567,

164.5416, 125.8542

186.1441,
203.2829, 159.4858

■ 16.8243, 19.2222,
9.6610

■ 16.8243, 19.2222,
9.6610

■ 16.4342, 19.0668,
7.6053

■ 17.2985, 19.4126,
12.1553

■ 16.1219, 18.9419,
5.9617

■ 17.8598, 19.6371,
15.1102

■ 15.8827, 18.8462,
4.7027

■ 18.5127, 19.8983,
18.5477

■ 15.7106, 18.7773,
3.7972

■ 19.2611, 20.1977,
22.4879

■ 15.5987, 18.7326,
3.2091

■ 20.1086, 20.5367,
26.9501

■ 15.5281, 18.7043,
2.8378

■ 21.0587, 20.9167,
31.9523

■ 15.5193, 18.7008,
2.7917

■ 22.1146, 21.3391,
37.5116

■ 23.2793, 21.8050,
43.6446

■ 24.5561, 22.3157,
50.3669

Harmonies

Analogous

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



19.5003, 19.2222, 9.5322



16.8243, 19.2222, 9.6610



14.7475, 19.2222, 12.2794

Triad

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



16.8243, 19.2222, 9.6610



14.9273, 19.2222, 33.7169



23.8069, 19.2222, 24.5692

Complementary

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



16.8243, 19.2222, 9.6610



9.2038, 8.1611, 20.1601

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.



22.3133, 19.2222, 32.9103



16.8243, 19.2222, 9.6610



17.0928, 19.2222, 39.0058

Square

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



16.8243, 19.2222, 9.6610



13.7286, 19.2222, 25.4796



19.7965, 19.2222, 38.6788



23.7168, 19.2222, 16.9565

Rectangle

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



16.8243, 19.2222, 9.6610



13.9030, 19.2222, 15.5594



19.7965, 19.2222, 38.6788



23.4676, 19.2222, 27.4121

Sweetspot

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



16.8248, 19.2231, 9.6614



32.1464, 34.8423, 30.3756



12.2018, 9.9763, 8.1202



7.5432, 8.1948, 7.0077



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



16.8248, 19.2231, 9.6614



29.0202, 33.5918, 13.9179



13.7685, 17.6475, 9.5184



4.3077, 4.6339, 4.2919



15.7759, 19.0100, 2.8378



75.2524, 90.6795, 13.5367

Inverse Universe

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



9.2038, 8.1611, 20.1601



13.6981, 11.3516, 35.0257



11.4787, 9.3339, 20.2666



3.7977, 3.8936, 4.9946



3.6986, 1.4795, 19.4759



17.6424, 7.0570, 92.9021

Previews

White Background



This preview shows how the XYZ color 16.8243, 19.2222, 9.6610 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 16.8243, 19.2222, 9.6610 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

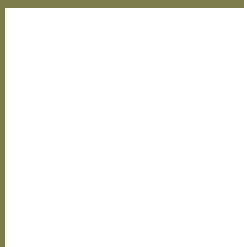
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.8243, 19.2222, 9.6610

Background



This preview shows how black text looks on a background with the XYZ color 16.8243, 19.2222, 9.6610.



This preview shows how white text looks on a background with the XYZ color 16.8243, 19.2222,

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

16.8243, 19.2222, 9.6610

Protanopia

17.6231, 19.0883, 9.4122

Deuteranopia

19.4746, 19.1518, 9.8780



Tritanopia

19.5151, 19.2350, 22.7628

Trichromacy



Original Color

16.8243, 19.2222, 9.6610

Protanomaly

17.2828, 19.0942, 9.4313

Deuteranomaly

18.4176, 19.1327, 9.7435

Tritanomaly

18.3253, 19.1048, 16.9091

Monochromacy



Original Color

16.8243, 19.2222, 9.6610

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.1707, 18.7190, 15.5401

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8243, 19.2222, 9.6610 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(124, 124, 76)` looks like.

```
.text, #text, p{  
    color:rgb(124, 124, 76)  
}
```

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(124, 124, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 124, 76) }
```

Border

The CSS property to change the border of an element to XYZ 16.8243, 19.2222, 9.6610 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(124, 124, 76) }
```


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

```
.border{ border-color:rgb(124, 124, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 124, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(124, 124, 76); -webkit-box-shadow:4px 4px 4px 4px rgb(124, 124, 76); box-shadow:4px 4px 4px 4px rgb(124, 124, 76) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8243, 19.2222, 9.6610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 124, 76) }
```

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

```
.background{ background-color: rgb(124,  
124, 76) }
```

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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