

Converting Colors

XYZ(18.8471, 22.2332, 18.9209)

Have a look what the booklet for
XYZ(18.8471, 22.2332, 18.9209)
contains.

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Color

**XYZ(18.8471, 22.2332,
18.9209)**

Conversions

Conversions Part 1

Format	Color
Hex	748771
RGB	116, 135, 113
RGB Percent	45%, 53%, 44%
CMY	0.5451, 0.4706, 0.5569
CMYK	0.14, 0.00, 0.16, 0.47
HSL	112°, 9%, 49%
HSV	112°, 16%, 53%
XYZ	18.8471, 22.2332, 18.9209
YIQ	126.8110, -4.2620, -10.8700

Conversions

Conversions Part 2

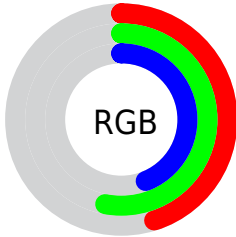
Format	Color
R_{YB}	113, 135, 132
Decimal	7636849
CIE _{Lab}	54.27, -11.34, 9.55
CIE _{LCh}	54, 14.826, 139.874
Yxy	22.2332, 0.3141, 0.3705
Android (android.graphics.Color)	4285826929 (0xFF748771)
YUV	126.8110, -6.8088, -9.4812
Hunter-Lab	47.1521, -11.1682, 9.2149

Details

The XYZ color **18.8471, 22.2332, 18.9209** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.7949, 18.4657, 25.4437**, and the grayscale version is **20.1321, 21.1806, 23.0656**.

A 20% lighter version of the original color is **40.9232, 47.0079, 42.5139**, and **6.5865, 8.1076, 6.2188** is the 20% darker color. If you saturate the color by 10%, you get **16.6892, 21.2028, 15.1433**, and if you desaturate by 10%, it is **21.3139, 23.4111, 23.3042**.

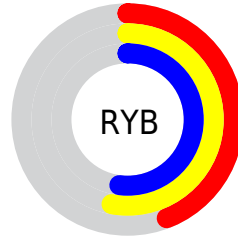
Distribution



Red (45%)

Green (53%)

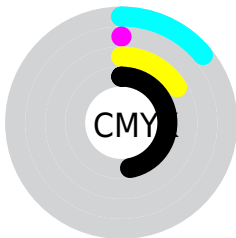
Blue (44%)



Red (44%)

Yellow (53%)

Blue (52%)

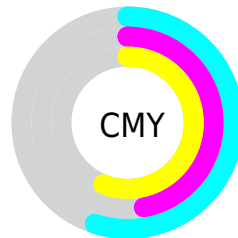


Cyan (14%)

Magenta (0%)

Yellow (16%)

Black (47%)



Cyan (55%)

Magenta (47%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8471, 22.2332, 18.9209 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 18.8471, 22.2332, 18.9209 by changing the saturation by 10% instead.

■ 18.8471, 22.2332,
18.9209

■ 18.8471, 22.2332,
18.9209

238.5577,
263.7617, 258.4199

■ 11.6632, 14.0284,
11.4369

■ 40.9944, 47.1311,
42.4353

■ 6.5853, 8.1404,
6.2437

■ 56.6886, 64.5930,
59.3028

■ 3.2482, 4.1849,
2.9226

■ 75.9502, 85.9093,
80.1352

■ 1.2863, 1.7775,
1.0553

■ 99.1447, 111.4645,
105.3511

■ 0.1729, 0.4731,
0.0000

126.6373,
141.6429, 135.3689

■ 0.0000, 0.0000,
0.0000

158.7934,

176.8290, 170.6073

195.9784,
217.4071, 211.4848

■ 18.8471, 22.2332,
18.9209

■ 18.8471, 22.2332,
18.9209

■ 16.6892, 21.2028,
15.1433

■ 21.3139, 23.4111,
23.3042

■ 14.8262, 20.3113,
11.9433

■ 24.0992, 24.7389,
28.3166

■ 13.2457, 19.5535,
9.2929

■ 27.2145, 26.2227,
33.9820

■ 11.9339, 18.9231,
7.1612

■ 30.6702, 27.8674,
40.3229

■ 10.8754, 18.4128,
5.5142

■ 34.4762, 29.6777,
47.3603

■ 10.0538, 18.0149,
4.3138

■ 38.6420, 31.6579,
55.1147

■ 9.4501, 17.7208,
3.5163

■ 43.1768, 33.8124,
63.6054

■ 9.0388, 17.5187,
3.0486

■ 48.0893, 36.1453,
72.8513

■ 8.9215, 17.4613,
2.9002

■ 53.3880, 38.6607,
82.8704

Harmonies

Analogous

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



20.0946, 22.2332, 16.7758



18.8471, 22.2332, 18.9209



18.2222, 22.2332, 22.6792

Triad

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



18.8471, 22.2332, 18.9209



20.5912, 22.2332, 34.0523



24.1865, 22.2332, 21.3111

Complementary

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



18.8471, 22.2332, 18.9209



19.7949, 18.4657, 25.4437

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.



24.3361, 22.2332, 25.8043



18.8471, 22.2332, 18.9209



22.2045, 22.2332, 33.5639

Square

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



18.8471, 22.2332, 18.9209



19.1947, 22.2332, 31.6586



23.5945, 22.2332, 30.3987



23.1954, 22.2332, 18.0292

Rectangle

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



18.8471, 22.2332, 18.9209



18.2201, 22.2332, 25.7643



23.5945, 22.2332, 30.3987



24.3387, 22.2332, 22.7160

Sweetspot

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



18.8477, 22.2342, 18.9214



38.7282, 42.1902, 42.7355



21.1839, 22.7655, 18.9008



8.9017, 9.7387, 9.7765



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.



18.8477, 22.2342, 18.9214



32.0810, 39.0176, 30.9461



18.9075, 22.2128, 21.2844



4.6710, 5.2330, 4.9932



8.2337, 16.1046, 2.6745



0.0320, 0.0576, 0.0094

Inverse Universe

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



19.7949, 18.4657, 25.4437



34.1488, 30.7867, 45.1909



19.7479, 18.5019, 22.7126



4.7971, 4.7315, 5.8612



10.7553, 5.0787, 21.5501



0.0415, 0.0198, 0.0749

Previews

White Background



This preview shows how the XYZ color 18.8471, 22.2332, 18.9209 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 18.8471, 22.2332, 18.9209 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 18.8471, 22.2332, 18.9209

Background



This preview shows how black text looks on a background with the XYZ color 18.8471, 22.2332, 18.9209.



This preview shows how white text looks on a background with the XYZ color 18.8471, 22.2332,

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

18.8471, 22.2332, 18.9209

Protanopia

20.8181, 22.0605, 17.9127

Deuteranopia

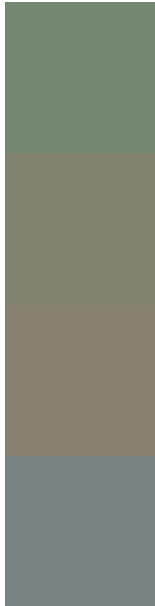
22.4607, 22.1081, 19.3031



Tritanopia

20.8092, 22.2206, 28.3916

Trichromacy



Original Color

18.8471, 22.2332, 18.9209

Protanomaly

20.0388, 22.0474, 18.2383

Deuteranomaly

21.0409, 22.1497, 19.0859

Tritanomaly

19.9557, 22.0632, 24.6796

Monochromacy



Original Color

18.8471, 22.2332, 18.9209

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.6639, 21.5814, 21.5416

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8471, 22.2332, 18.9209 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(116, 135, 113)` looks like.

```
.text, #text, p{  
    color:rgb(116, 135, 113)  
}
```

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(116, 135, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 135, 113) }
```

Border

The CSS property to change the border of an element to XYZ 18.8471, 22.2332, 18.9209 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(116, 135, 113) }
```


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

```
.border{ border-color:rgb(116, 135, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 135, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 135, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 135, 113);  
box-shadow:4px 4px 4px 4px rgb(116, 135,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8471, 22.2332, 18.9209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 135, 113) }
```

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

```
.background{ background-color: rgb(116,  
135, 113) }
```

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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