

Converting Colors

XYZ(18.8300, 19.9219, 21.2984)

Have a look what the booklet for
XYZ(18.8300, 19.9219, 21.2984)
contains.

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Color

**XYZ(18.8889, 20.0314,
21.2832)**

Conversions

Conversions Part 1

Format	Color
Hex	7B7C7A
RGB	123, 124, 122
RGB Percent	48%, 49%, 48%
CMY	0.5176, 0.5137, 0.5216
CMYK	0.01, 0.00, 0.02, 0.51
HSL	90°, 1%, 48%
HSV	90°, 2%, 49%
XYZ	18.8889, 20.0314, 21.2832
YIQ	123.4730, 0.0460, -0.8340

Conversions

Conversions Part 2

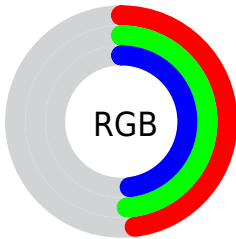
Format	Color
R _Y B	122, 124, 123
Decimal	8092794
CIE Lab	51.87, -0.77, 0.95
CIE LCh	52, 1.225, 129.064
Yxy	20.0314, 0.3138, 0.3327
Android (android.graphics.Color)	4286282874 (0xFF7B7C7A)
YUV	123.4730, -0.7262, -0.4148
Hunter-Lab	44.7565, -2.9901, 3.1351

Details

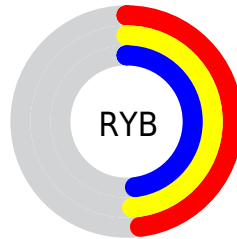
The XYZ color **18.8889, 20.0314, 21.2832** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.7667, 19.5857, 21.8611**, and the grayscale version is **18.9859, 19.9746, 21.7524**.

A 20% lighter version of the original color is **40.8445, 43.2206, 46.2341**, and **6.5427, 6.9690, 7.3037** is the 20% darker color. If you saturate the color by 10%, you get **17.3095, 19.3009, 17.4512**, and if you desaturate by 10%, it is **20.6238, 20.8318, 25.6352**.

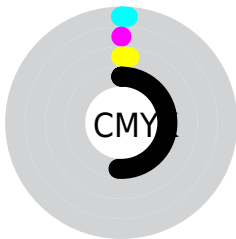
Distribution



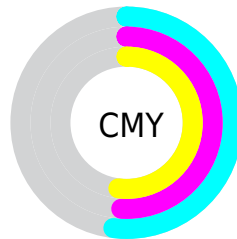
- Red (48%)
- Green (49%)
- Blue (48%)



- Red (48%)
- Yellow (49%)
- Blue (48%)



- Cyan (1%)
- Magenta (0%)
- Yellow (2%)
- Black (51%)



- Cyan (52%)
- Magenta (51%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8889, 20.0314, 21.2832 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 18.8889, 20.0314, 21.2832 by changing the saturation by 10% instead.

■ 18.8889, 20.0314,
21.2832

■ 18.8889, 20.0314,
21.2832

238.7846,
252.0851, 271.6101

■ 11.6936, 12.4179,
13.1379

■ 41.0646, 43.4698,
46.4453

■ 6.6061, 7.0289,
7.3917

■ 56.7757, 60.0635,
64.2991

■ 3.2611, 3.4802,
3.6261

■ 76.0560, 80.4194,
86.2263

■ 1.2933, 1.3873,
1.4226

99.2711, 104.9218,
112.6453

■ 0.1782, 0.2073,
0.1592

126.7861,
133.9552, 143.9746

■ 0.0000, 0.0000,
0.0000

158.9664,

167.9039, 180.6328

196.1775,
207.1524, 223.0384

■ 18.8889, 20.0314,
21.2832

■ 18.8889, 20.0314,
21.2832

■ 17.3095, 19.3009,
17.4512

■ 20.6238, 20.8318,
25.6352

■ 15.8791, 18.6359,
14.1184

■ 22.5170, 21.7016,
30.5242

■ 14.5935, 18.0349,
11.2646

■ 24.5734, 22.6433,
35.9682

■ 13.4472, 17.4958,
8.8677

■ 26.7970, 23.6588,
41.9839

■ 12.4346, 17.0163,
6.9040

■ 29.1919, 24.7497,
48.5873

■ 11.5497, 16.5936,
5.3473

■ 31.7618, 25.9177,
55.7937

■ 10.7858, 16.2251,
4.1689

■ 34.5104, 27.1643,
63.6181

■ 10.1355, 15.9076,
3.3363

■ 37.4415, 28.4912,
72.0746

■ 9.5902, 15.6375,
2.8115

■ 40.5583, 29.8997,
81.1772

Harmonies

Analogous

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



19.0016, 20.0314, 21.1413



18.8889, 20.0314, 21.2832



18.8167, 20.0314, 21.5669

Triad

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



18.8889, 20.0314, 21.2832



18.9539, 20.0314, 22.4569



19.2764, 20.0314, 21.7030

Complementary

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



18.8889, 20.0314, 21.2832



18.7667, 19.5857, 21.8611

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.



19.2635, 20.0314, 22.0565



18.8889, 20.0314, 21.2832



19.0770, 20.0314, 22.4943

Square

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



18.8889, 20.0314, 21.2832



18.8541, 20.0314, 22.2454



19.1904, 20.0314, 22.3470



19.2256, 20.0314, 21.3819

Rectangle

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



18.8889, 20.0314, 21.2832



18.8011, 20.0314, 21.7996



19.1904, 20.0314, 22.3470



19.2794, 20.0314, 21.8220

Sweetspot

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



18.8895, 20.0323, 21.2836



33.7135, 35.4692, 38.6260



18.9087, 19.8569, 21.2488



7.9400, 8.3535, 9.0970



60.6688, 63.8283, 69.5090

Same Dimension

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



18.8895, 20.0323, 21.2836



33.1134, 35.1921, 37.1417



18.7471, 19.9589, 21.2770



4.3936, 4.6639, 4.9403



9.3404, 15.6924, 2.5366



43.5732, 74.3483, 12.0541

Inverse Universe

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



18.7667, 19.5857, 21.8611



32.8402, 34.1985, 38.4267



18.9105, 19.6599, 21.8678



4.3615, 4.5474, 5.0910



5.7184, 2.5207, 19.5704



26.2956, 11.5179, 93.3070

Previews

White Background



This preview shows how the XYZ color 18.8889, 20.0314, 21.2832 looks on a white background.

Color Contrast Check

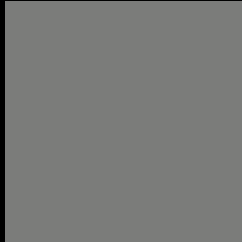
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8889, 20.0314, 21.2832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

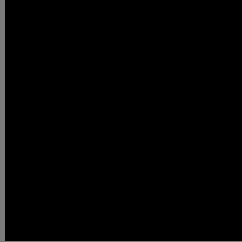
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

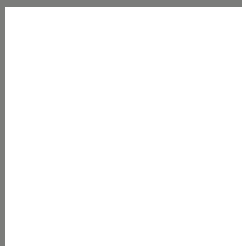
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.8889, 20.0314, 21.2832

Background



This preview shows how black text looks on a background with the XYZ color 18.8889, 20.0314, 21.2832.



This preview shows how white text looks on a background with the XYZ color 18.8889, 20.0314,

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

18.8889, 20.0314, 21.2832

Protanopia

19.1383, 19.9820, 20.9374

Deuteranopia

20.4450, 20.0972, 21.5405



Tritanopia

19.5818, 19.9450, 24.6475

Trichromacy



Original Color

18.8889, 20.0314, 21.2832

Protanomaly

18.9916, 19.9064, 20.9305

Deuteranomaly

19.7726, 19.9301, 21.5437

Tritanomaly

19.2914, 20.0095, 23.2675

Monochromacy



Original Color

18.8889, 20.0314, 21.2832

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.8265, 19.8069, 21.5697

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8889, 20.0314, 21.2832 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(123, 124, 122) looks like.

```
.text, #text, p{  
    color:rgb(123, 124, 122)  
}
```

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(123, 124, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 124, 122) }
```

Border

The CSS property to change the border of an element to XYZ 18.8889, 20.0314, 21.2832 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(123, 124, 122) }
```

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

```
.border{ border-color:rgb(123, 124, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 124, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 124, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 124, 122);  
box-shadow:4px 4px 4px 4px rgb(123, 124,  
122) }
```


Background

The CSS property to change the background color of an element to XYZ 18.8889, 20.0314, 21.2832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 124, 122) }
```

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

```
.background{ background-color: rgb(123,  
124, 122) }
```

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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