

Converting Colors

XYZ(18.8147, 21.3204, 20.6868)

Have a look what the booklet for
XYZ(18.8147, 21.3204, 20.6868)
contains.

XYZ(18.7822, 21.3464, 20.5831)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.7822, 21.3464,
20.5831)**

Conversions

Conversions Part 1

Format	Color
Hex	758377
RGB	117, 131, 119
RGB Percent	46%, 51%, 47%
CMY	0.5412, 0.4863, 0.5333
CMYK	0.11, 0.00, 0.09, 0.49
HSL	129°, 6%, 49%
HSV	129°, 11%, 51%
XYZ	18.7822, 21.3464, 20.5831
YIQ	125.4460, -4.4920, -6.7000

Conversions

Conversions Part 2

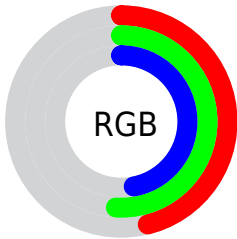
Format	Color
R_{YB}	117, 129, 131
Decimal	7701367
CIE _{Lab}	53.33, -7.59, 4.74
CIE _{LCh}	53, 8.950, 147.986
Yxy	21.3464, 0.3094, 0.3516
Android (android.graphics.Color)	4285891447 (0xFF758377)
YUV	125.4460, -3.1779, -7.4071
Hunter-Lab	46.2022, -8.2896, 5.9278

Details

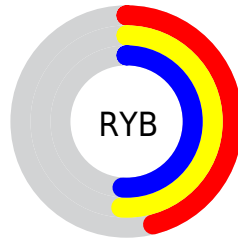
The XYZ color **18.7822, 21.3464, 20.5831** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **19.6846, 19.1334, 23.4255**, and the grayscale version is **19.6554, 20.6790, 22.5194**.

A 20% lighter version of the original color is **40.8534, 45.6563, 45.1874**, and **6.6089, 7.7547, 7.1097** is the 20% darker color. If you saturate the color by 10%, you get **16.5087, 20.2484, 17.1620**, and if you desaturate by 10%, it is **21.3829, 22.6051, 24.4364**.

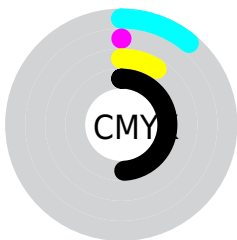
Distribution



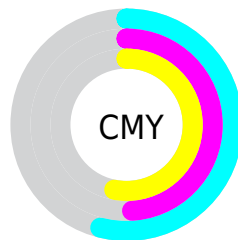
- Red (46%)
- Green (51%)
- Blue (47%)



- Red (46%)
- Yellow (51%)
- Blue (51%)



- Cyan (11%)
- Magenta (0%)
- Yellow (9%)
- Black (49%)



- Cyan (54%)
- Magenta (49%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7822, 21.3464, 20.5831 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 18.7822, 21.3464, 20.5831 by changing the saturation by 10% instead.

■ 18.7822, 21.3464,
20.5831

■ 18.7822, 21.3464,
20.5831

238.2050,
259.1137, 267.7624

■ 11.6161, 13.3774,
12.6313

■ 40.8855, 45.6633,
45.2644

■ 6.5532, 7.6890,
7.0475

■ 56.5533, 62.7801,
62.8310

■ 3.2281, 3.8966,
3.4129

■ 75.7858, 83.7149,
84.4397

■ 1.2755, 1.6159,
1.3091

98.9483, 108.8522,
110.5089

■ 0.1648, 0.3683,
0.0693

126.4061,
138.5763, 141.4573

■ 0.0000, 0.0000,
0.0000

158.5245,

173.2717, 177.7033

195.6691,
213.3227, 219.6655

■ 18.7822, 21.3464,
20.5831

■ 18.7822, 21.3464,
20.5831

■ 16.5087, 20.2484,
17.1620

■ 21.3829, 22.6051,
24.4364

■ 14.5478, 19.3020,
14.1567

■ 24.3213, 24.0278,
28.7348

■ 12.8863, 18.5013,
11.5518

■ 27.6096, 25.6211,
33.4924

■ 11.5092, 17.8392,
9.3302

■ 31.2587, 27.3903,
38.7222

■ 10.4004, 17.3075,
7.4740

■ 35.2793, 29.3407,
44.4368

■ 9.5423, 16.8977,
5.9635

■ 39.6814, 31.4771,
50.6482

■ 8.9148, 16.5998,
4.7773

■ 44.4748, 33.8044,
57.3682

■ 8.4950, 16.4025,
3.8916

■ 49.6688, 36.3272,
64.6078

■ 8.2318, 16.2794,
3.3117

■ 55.2725, 39.0498,
72.3780

Harmonies

Analogous

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



19.4456, 21.3464, 18.9301



18.7822, 21.3464, 20.5831



18.5211, 21.3464, 23.0596

Triad

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



18.7822, 21.3464, 20.5831



20.2251, 21.3464, 28.8608



21.9420, 21.3464, 20.8776

Complementary

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



18.7822, 21.3464, 20.5831



19.6846, 19.1334, 23.4255

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.



22.1662, 21.3464, 23.4266



18.7822, 21.3464, 20.5831



21.1567, 21.3464, 28.1649

Square

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



18.7822, 21.3464, 20.5831



19.3379, 21.3464, 27.9568



21.8745, 21.3464, 26.1219



21.2710, 21.3464, 19.0906

Rectangle

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



18.7822, 21.3464, 20.5831



18.6040, 21.3464, 24.8924



21.8745, 21.3464, 26.1219



22.0730, 21.3464, 21.6674

Sweetspot

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



18.7828, 21.3473, 20.5836



37.1277, 39.9164, 42.0442



20.4016, 22.1956, 20.0388



8.5613, 9.2533, 9.6665



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



18.7828, 21.3473, 20.5836



32.5154, 37.6857, 35.1854



19.2104, 21.5184, 22.8353



4.6414, 5.2148, 5.1229



8.1032, 16.0242, 3.2632



0.0297, 0.0562, 0.0197

Inverse Universe

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



19.6846, 19.1334, 23.4255



34.4903, 32.8372, 41.4089



19.2432, 18.9568, 21.1011



4.8301, 4.7517, 5.7174



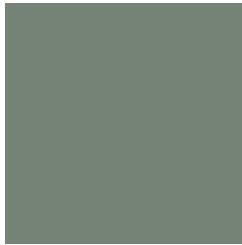
12.1090, 5.9080, 15.6783



0.0439, 0.0212, 0.0646

Previews

White Background



This preview shows how the XYZ color 18.7822, 21.3464, 20.5831 looks on a white background.

Color Contrast Check

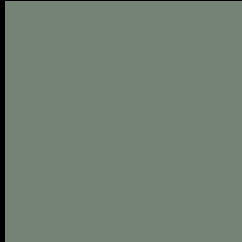
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.7822, 21.3464, 20.5831 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

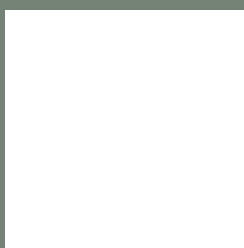
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.7822, 21.3464, 20.5831

Background



This preview shows how black text looks on a background with the XYZ color 18.7822, 21.3464, 20.5831.



This preview shows how white text looks on a background with the XYZ color 18.7822, 21.3464,

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

18.7822, 21.3464, 20.5831

Protanopia

20.3160, 21.3686, 19.8834

Deuteranopia

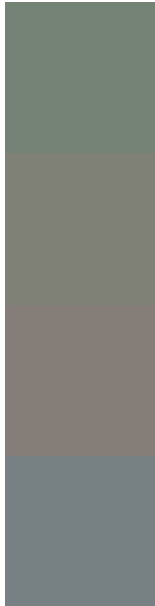
21.6895, 21.2972, 21.0568



Tritanopia

20.0523, 21.2664, 27.0927

Trichromacy



Original Color

18.7822, 21.3464, 20.5831

Protanomaly

19.7416, 21.2584, 20.2023

Deuteranomaly

20.5239, 21.2643, 20.7920

Tritanomaly

19.5547, 21.2611, 24.5459

Monochromacy



Original Color

18.7822, 21.3464, 20.5831

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.1906, 20.7464, 21.7319

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7822, 21.3464, 20.5831 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(117, 131, 119)` looks like.

```
.text, #text, p{  
    color:rgb(117, 131, 119)  
}
```

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(117, 131, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 131, 119) }
```

Border

The CSS property to change the border of an element to XYZ 18.7822, 21.3464, 20.5831 is called "border". The border property can be set on classes, ids or directly on the HTML element.

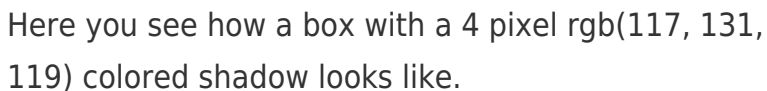
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 131, 119) }
```


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

```
.border{ border-color:rgb(117, 131, 119) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 131, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 131, 119); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 131, 119); box-shadow:4px 4px 4px 4px rgb(117, 131, 119) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7822, 21.3464, 20.5831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 131, 119) }
```

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

```
.background{ background-color: rgb(117,  
131, 119) }
```

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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