

Converting Colors

XYZ(19.1627, 21.5142, 21.8816)

Have a look what the booklet for
XYZ(19.1627, 21.5142, 21.8816)
contains.

XYZ(19.1627, 21.5142, 21.8816)	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(19.1627, 21.5142,
21.8816)**

Conversions

Conversions Part 1

Format	Color
Hex	76837B
RGB	118, 131, 123
RGB Percent	46%, 51%, 48%
CMY	0.5372, 0.4863, 0.5176
CMYK	0.10, 0.00, 0.06, 0.49
HSL	143°, 5%, 49%
HSV	143°, 10%, 51%
XYZ	19.1627, 21.5142, 21.8816
YIQ	126.2010, -5.1800, -5.2440

Conversions

Conversions Part 2

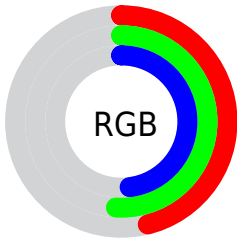
Format	Color
R_{YB}	118, 127, 131
Decimal	7766907
CIE Lab	53.51, -6.42, 2.69
CIE LCh	54, 6.959, 157.236
Yxy	21.5142, 0.3063, 0.3439
Android (android.graphics.Color)	4285956987 (0xFF76837B)
YUV	126.2010, -1.5781, -7.1923
Hunter-Lab	46.3834, -7.4260, 4.4980

Details

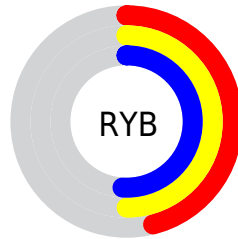
The XYZ color **19.1627, 21.5142, 21.8816** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **19.6052, 19.2891, 22.4296**, and the grayscale version is **19.9066, 20.9432, 22.8072**.

A 20% lighter version of the original color is **41.4559, 45.9222, 47.2363**, and **6.7791, 7.8311, 7.6328** is the 20% darker color. If you saturate the color by 10%, you get **17.0217, 20.4670, 19.2545**, and if you desaturate by 10%, it is **21.5936, 22.7072, 24.7402**.

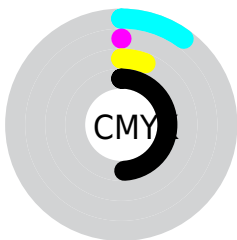
Distribution



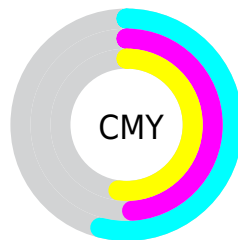
- Red (46%)
- Green (51%)
- Blue (48%)



- Red (46%)
- Yellow (50%)
- Blue (51%)



- Cyan (10%)
- Magenta (0%)
- Yellow (6%)
- Black (49%)



- Cyan (54%)
- Magenta (49%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1627, 21.5142, 21.8816 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 19.1627, 21.5142, 21.8816 by changing the saturation by 10% instead.

■ 19.1627, 21.5142,
21.8816

■ 19.1627, 21.5142,
21.8816

240.2664,
259.9987, 274.8606

■ 11.8926, 13.5004,
13.5724

■ 41.5236, 45.9418,
47.4499

■ 6.7423, 7.7740,
7.6886

■ 57.3451, 63.1243,
65.5461

■ 3.3463, 3.9507,
3.8114

■ 76.7478, 84.1318,
87.7418

■ 1.3394, 1.6460,
1.5225

100.0970,
109.3488, 114.4555

■ 0.2125, 0.3883,
0.2346

127.7581,
139.1596, 146.1056

■ 0.0000, 0.0000,
0.0000

160.0965,

173.9485, 183.1108

197.4775,
214.1001, 225.8897

■ 19.1627, 21.5142,
21.8816

■ 19.1627, 21.5142,
21.8816

■ 17.0217, 20.4670,
19.2545

■ 21.5936, 22.7072,
24.7402

■ 15.1578, 19.5574,
16.8518

■ 24.3230, 24.0486,
27.8344

■ 13.5595, 18.7801,
14.6680

■ 27.3616, 25.5444,
31.1699

■ 12.2142, 18.1288,
12.6968

■ 30.7189, 27.1994,
34.7520

■ 11.1081, 17.5965,
10.9317

■ 34.4040, 29.0180,
38.5857

■ 10.2258, 17.1755,
9.3659

■ 38.4255, 31.0048,
42.6757

■ 9.5504, 16.8570,
7.9921

■ 42.7918, 33.1640,
47.0268

■ 9.0621, 16.6311,
6.8026

■ 47.5111, 35.4996,
51.6436

■ 8.7032, 16.4681,
5.7874

■ 52.5911, 38.0155,
56.5306

Harmonies

Analogous

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



19.5985, 21.5142, 20.3244



19.1627, 21.5142, 21.8816



19.0674, 21.5142, 23.9431

Triad

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



19.1627, 21.5142, 21.8816



20.6286, 21.5142, 27.7110



21.6041, 21.5142, 21.0419

Complementary

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



19.1627, 21.5142, 21.8816



19.6052, 19.2891, 22.4296

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.



21.8949, 21.5142, 22.9151



19.1627, 21.5142, 21.8816



21.3229, 21.5142, 26.8266

Square

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



19.1627, 21.5142, 21.8816



19.9022, 21.5142, 27.3931



21.7908, 21.5142, 25.0400



21.0049, 21.5142, 19.8604

Rectangle

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



19.1627, 21.5142, 21.8816



19.2077, 21.5142, 25.3429



21.7908, 21.5142, 25.0400



21.7418, 21.5142, 21.6070

Sweetspot

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



19.1633, 21.5151, 21.8821



37.2423, 39.9622, 42.6478



19.9938, 21.9785, 20.3284



8.5942, 9.2665, 9.8398



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.



19.1633, 21.5151, 21.8821



33.3680, 38.0629, 38.0408



19.5829, 21.6830, 24.0918



4.6849, 5.2322, 5.3521



8.5652, 16.2090, 5.6961



0.0331, 0.0575, 0.0375

Inverse Universe

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



19.6052, 19.2891, 22.4296



34.3317, 33.2081, 39.2346



19.2001, 19.1271, 20.2963



4.7840, 4.7333, 5.4748



10.6630, 5.3295, 8.0637



0.0405, 0.0199, 0.0468

Previews

White Background



This preview shows how the XYZ color 19.1627, 21.5142, 21.8816 looks on a white background.

Color Contrast Check

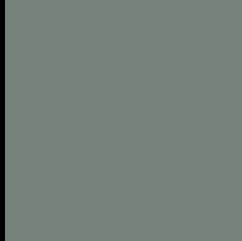
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.1627, 21.5142, 21.8816 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

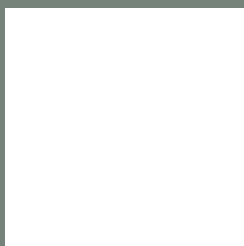
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.1627, 21.5142, 21.8816

Background



This preview shows how black text looks on a background with the XYZ color 19.1627, 21.5142, 21.8816.



This preview shows how white text looks on a background with the XYZ color 19.1627, 21.5142,

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

19.1627, 21.5142, 21.8816

Protanopia

20.5563, 21.4648, 21.1488

Deuteranopia

21.7691, 21.3093, 22.3678



Tritanopia

20.3956, 21.6295, 27.5261

Trichromacy



Original Color

19.1627, 21.5142, 21.8816

Protanomaly

19.9844, 21.3555, 21.4811

Deuteranomaly

20.7718, 21.3635, 22.0976

Tritanomaly

19.9620, 21.6518, 25.3174

Monochromacy



Original Color

19.1627, 21.5142, 21.8816

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.5892, 21.1300, 22.4481

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1627, 21.5142, 21.8816 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(118, 131, 123)` looks like.

```
.text, #text, p{  
    color:rgb(118, 131, 123)  
}
```

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(118, 131, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 131, 123) }
```

Border

The CSS property to change the border of an element to XYZ 19.1627, 21.5142, 21.8816 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(118, 131, 123) }
```


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

```
.border{ border-color:rgb(118, 131, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 131, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 131, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 131, 123);  
box-shadow:4px 4px 4px 4px rgb(118, 131,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1627, 21.5142, 21.8816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 131, 123) }
```

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

```
.background{ background-color: rgb(118,  
131, 123) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor