

Converting Colors

XYZ(18.9414, 21.1835, 20.0548)

Have a look what the booklet for
XYZ(18.9414, 21.1835, 20.0548)
contains.

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Color

**XYZ(18.9392, 21.2427,
19.9317)**

Conversions

Conversions Part 1

Format	Color
Hex	788275
RGB	120, 130, 117
RGB Percent	47%, 51%, 46%
CMY	0.5294, 0.4902, 0.5412
CMYK	0.08, 0.00, 0.10, 0.49
HSL	106°, 5%, 48%
HSV	106°, 10%, 51%
XYZ	18.9392, 21.2427, 19.9317
YIQ	125.5280, -1.7870, -6.1630

Conversions

Conversions Part 2

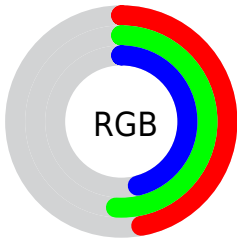
Format	Color
R_{YB}	117, 130, 127
Decimal	7897717
CIE Lab	53.21, -6.30, 5.77
CIE LCh	53, 8.543, 137.469
Yxy	21.2427, 0.3151, 0.3534
Android (android.graphics.Color)	4286087797 (0xFF788275)
YUV	125.5280, -4.2043, -4.8481
Hunter-Lab	46.0898, -7.3080, 6.6227

Details

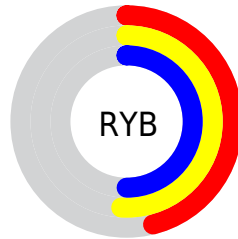
The XYZ color **18.9392, 21.2427, 19.9317** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **19.1439, 18.8470, 23.7491**, and the grayscale version is **19.6858, 20.7110, 22.5543**.

A 20% lighter version of the original color is **41.1082, 45.5022, 44.1523**, and **6.6891, 7.6922, 6.7624** is the 20% darker color. If you saturate the color by 10%, you get **16.9120, 20.2805, 16.1201**, and if you desaturate by 10%, it is **21.2186, 22.3239, 24.3102**.

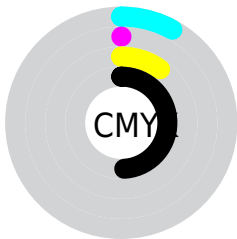
Distribution



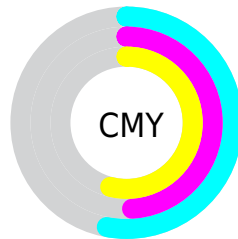
- Red (47%)
- Green (51%)
- Blue (46%)



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



- Cyan (8%)
- Magenta (0%)
- Yellow (10%)
- Black (49%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9392, 21.2427, 19.9317 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 18.9392, 21.2427, 19.9317 by changing the saturation by 10% instead.

■ 18.9392, 21.2427,
19.9317

■ 18.9392, 21.2427,
19.9317

239.0575,
258.5655, 264.1371

■ 11.7301, 13.3015,
12.1618

■ 41.1490, 45.4911,
44.1601

■ 6.6311, 7.6365,
6.7301

■ 56.8804, 62.5671,
61.4557

■ 3.2767, 3.8632,
3.2180

■ 76.1833, 83.4569,
82.7637

■ 1.3017, 1.5974,
1.2070

99.4230, 108.5448,
108.5025

■ 0.1845, 0.3558,
0.0000

126.9650,
138.2152, 139.0907

■ 0.0000, 0.0000,
0.0000

159.1744,

172.8525, 174.9468

196.4168,
212.8412, 216.4895

■ 18.9392, 21.2427,
19.9317

■ 18.9392, 21.2427,
19.9317

■ 16.9120, 20.2805,
16.1201

■ 21.2186, 22.3239,
24.3102

■ 15.1266, 19.4306,
12.8509

■ 23.7570, 23.5251,
29.2760

■ 13.5742, 18.6896,
10.0998

■ 26.5626, 24.8510,
34.8502

■ 12.2449, 18.0530,
7.8402

■ 29.6433, 26.3051,
41.0523

■ 11.1281, 17.5159,
6.0431

■ 33.0063, 27.8907,
47.9013

■ 10.2121, 17.0730,
4.6766

■ 36.6585, 29.6110,
55.4150

■ 9.4843, 16.7185,
3.7043

■ 40.6069, 31.4691,
63.6107

■ 8.9303, 16.4461,
3.0845

■ 44.8578, 33.4680,
72.5050

■ 8.5181, 16.2420,
2.6861

■ 49.4177, 35.6108,
82.1140

Harmonies

Analogous

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



19.6744, 21.2427, 18.7076



18.9392, 21.2427, 19.9317



18.5443, 21.2427, 22.0686

Triad

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



18.9392, 21.2427, 19.9317



19.8166, 21.2427, 28.3254



21.8906, 21.2427, 21.6704

Complementary

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



18.9392, 21.2427, 19.9317



19.1439, 18.8470, 23.7491

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.



21.9314, 21.2427, 24.2243



18.9392, 21.2427, 19.9317



20.7157, 21.2427, 28.1988

Square

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



18.9392, 21.2427, 19.9317



19.0406, 21.2427, 26.9867



21.4958, 21.2427, 26.6527



21.3859, 21.2427, 19.6589

Rectangle

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



18.9392, 21.2427, 19.9317



18.5192, 21.2427, 23.7814



21.4958, 21.2427, 26.6527



21.9596, 21.2427, 22.4900

Sweetspot

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



18.9398, 21.2436, 19.9322



36.0872, 38.7063, 40.3374



20.0028, 21.2013, 19.8680



8.1007, 8.7290, 9.0001



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



18.9398, 21.2436, 19.9322



32.5037, 37.0068, 33.4901



18.7380, 21.1156, 21.0068



4.3617, 4.8629, 4.6289



8.1724, 15.5754, 2.5756



0.0000, 0.0000, 0.0000

Inverse Universe

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



19.1439, 18.8470, 23.7491



32.9381, 31.9052, 41.6148



19.3684, 18.9892, 22.5650



4.4042, 4.3640, 5.4235



8.9103, 4.1471, 20.5808



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.9392, 21.2427, 19.9317 looks on a white background.

Color Contrast Check

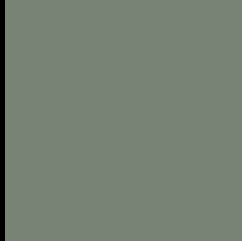
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.9392, 21.2427, 19.9317 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

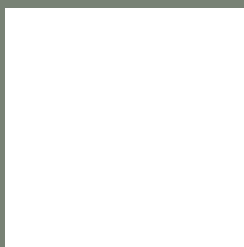
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.9392, 21.2427, 19.9317

Background



This preview shows how black text looks on a background with the XYZ color 18.9392, 21.2427, 19.9317.



This preview shows how white text looks on a background with the XYZ color 18.9392, 21.2427,

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

18.9392, 21.2427, 19.9317

Protanopia

20.0711, 21.0650, 19.2278

Deuteranopia

21.5681, 21.2486, 20.4174



Tritanopia

20.2731, 21.1958, 26.6896

Trichromacy



Original Color

18.9392, 21.2427, 19.9317

Protanomaly

19.6438, 21.0289, 19.5466

Deuteranomaly

20.5624, 21.2980, 20.1667

Tritanomaly

19.7745, 21.1876, 24.1665

Monochromacy



Original Color

18.9392, 21.2427, 19.9317

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.4767, 20.8939, 21.7453

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9392, 21.2427, 19.9317 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(120, 130, 117)` looks like.

```
.text, #text, p{  
    color:rgb(120, 130, 117)  
}
```

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(120, 130, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 130, 117) }
```

Border

The CSS property to change the border of an element to XYZ 18.9392, 21.2427, 19.9317 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(120, 130, 117) }
```


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

```
.border{ border-color:rgb(120, 130, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 130, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 130, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 130, 117);  
box-shadow:4px 4px 4px 4px rgb(120, 130,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9392, 21.2427, 19.9317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 130, 117) }
```

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

```
.background{ background-color: rgb(120,  
130, 117) }
```

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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