

Converting Colors

XYZ(21.2089, 21.6678, 19.7861)

Have a look what the booklet for
XYZ(21.2089, 21.6678, 19.7861)
contains.

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Color

**XYZ(21.1530, 21.6093,
19.8858)**

Conversions

Conversions Part 1

Format	Color
Hex	8A7E75
RGB	138, 126, 117
RGB Percent	54%, 49%, 46%
CMY	0.4588, 0.5059, 0.5412
CMYK	0.00, 0.09, 0.15, 0.46
HSL	26°, 8%, 50%
HSV	26°, 15%, 54%
XYZ	21.1530, 21.6093, 19.8858
YIQ	128.5620, 10.0410, -0.2550

Conversions

Conversions Part 2

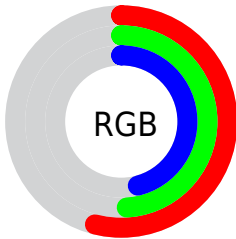
Format	Color
R_{YB}	138, 133, 117
Decimal	9076341
CIE Lab	53.61, 2.96, 6.54
CIE LCh	54, 7.183, 65.659
Yxy	21.6093, 0.3376, 0.3449
Android (android.graphics.Color)	4287266421 (0xFF8A7E75)
YUV	128.5620, -5.7001, 8.2771
Hunter-Lab	46.4858, -0.1251, 7.1769

Details

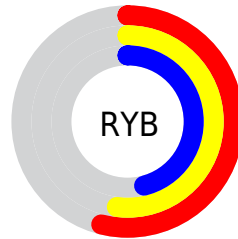
The XYZ color **21.1530, 21.6093, 19.8858** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **19.7739, 21.3172, 27.1175**, and the grayscale version is **20.7305, 21.8101, 23.7512**.

A 20% lighter version of the original color is **45.0198, 46.3112, 44.1023**, and **7.7526, 7.8121, 6.7295** is the 20% darker color. If you saturate the color by 10%, you get **19.4321, 19.3716, 15.5998**, and if you desaturate by 10%, it is **23.0742, 24.0558, 24.8293**.

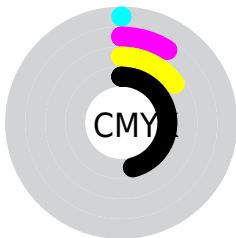
Distribution



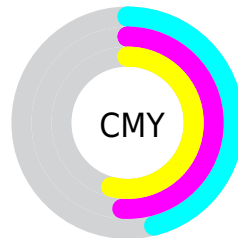
- Red (54%)
- Green (49%)
- Blue (46%)



- Red (54%)
- Yellow (52%)
- Blue (46%)



- Cyan (0%)
- Magenta (9%)
- Yellow (15%)
- Black (46%)



- Cyan (46%)
- Magenta (51%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1530, 21.6093, 19.8858 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 21.1530, 21.6093, 19.8858 by changing the saturation by 10% instead.

■ 21.1530, 21.6093,
19.8858

■ 21.1530, 21.6093,
19.8858

250.8068,
260.4991, 263.8800

■ 13.3490, 13.5701,
12.1288

■ 44.8314, 46.0994,
44.0821

■ 7.7479, 7.8223,
6.7079

■ 61.4365, 63.3191,
61.3585

■ 3.9845, 3.9814,
3.2044

■ 81.7060, 84.3677,
82.6450

■ 1.6934, 1.6632,
1.1999

106.0052,
109.6297, 108.3604

■ 0.4521, 0.3996,
0.0000

134.6996,
139.4895, 138.9230

■ 0.0000, 0.0000,
0.0000

168.1544,

174.3314, 174.7514

206.7350,
214.5398, 216.2642

■ 21.1530, 21.6093,
19.8858

■ 21.1530, 21.6093,
19.8858

■ 19.4321, 19.3716,
15.5998

■ 23.0742, 24.0558,
24.8293

■ 17.9027, 17.3339,
11.9419

■ 25.2006, 26.7136,
30.4552

■ 16.5579, 15.4914,
8.8824

■ 27.5391, 29.5889,
36.7890

■ 15.3897, 13.8375,
6.3886

■ 30.0957, 32.6869,
43.8542

■ 14.3893, 12.3656,
4.4248

■ 32.8763, 36.0123,
51.6735

■ 13.5472, 11.0684,
2.9510

■ 35.8864, 39.5700,
60.2685

■ 12.8526, 9.9380,
1.9215

■ 39.1314, 43.3645,
69.6597

■ 12.2911, 8.9649,
1.2721

■ 42.6163, 47.4002,
79.8672

■ 12.0535, 8.5475,
1.0146

■ 46.3463, 51.6815,
90.9101

Harmonies

Analogous

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



21.7610, 21.6093, 21.1510



21.1530, 21.6093, 19.8858



20.3939, 21.6093, 19.5702

Triad

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



21.1530, 21.6093, 19.8858



19.1057, 21.6093, 23.9479



21.4110, 21.6093, 27.1310

Complementary

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



21.1530, 21.6093, 19.8858



19.7739, 21.3172, 27.1175

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.



20.6848, 21.6093, 27.9883



21.1530, 21.6093, 19.8858



19.3636, 21.6093, 26.0786

Square

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



21.1530, 21.6093, 19.8858



19.2241, 21.6093, 21.8302



19.9370, 21.6093, 27.5917



21.9125, 21.6093, 25.3134

Rectangle

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



21.1530, 21.6093, 19.8858



19.9068, 21.6093, 19.9226



19.9370, 21.6093, 27.5917



21.1844, 21.6093, 27.5460

Sweetspot

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



21.1536, 21.6103, 19.8863



40.7112, 42.4516, 43.8680



20.8219, 19.7179, 23.5649



9.0830, 9.4607, 9.7133



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.



21.1536, 21.6103, 19.8863



36.2879, 36.8025, 32.5363



22.5319, 24.3668, 20.3457



5.1977, 5.3782, 5.3165



11.0652, 7.8648, 0.9349



0.0876, 0.0804, 0.0109

Inverse Universe

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



19.7739, 21.3172, 27.1175



33.4120, 36.1912, 47.6078



18.4910, 18.7515, 26.6899



4.9962, 5.3354, 6.3723



6.7738, 6.8179, 23.0047



0.0596, 0.0744, 0.1577

Previews

White Background



This preview shows how the XYZ color 21.1530, 21.6093, 19.8858 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 21.1530, 21.6093, 19.8858 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

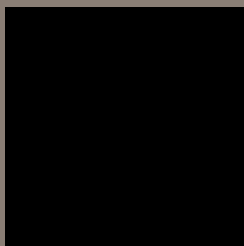
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.1530, 21.6093, 19.8858

Background



This preview shows how black text looks on a background with the XYZ color 21.1530, 21.6093, 19.8858.



This preview shows how white text looks on a background with the XYZ color 21.1530, 21.6093,

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

21.1530, 21.6093, 19.8858

Protanopia

20.6621, 21.7329, 20.2454

Deuteranopia

21.9201, 21.6289, 19.8491



Tritanopia

22.2565, 21.6842, 25.2027

Trichromacy



Original Color

21.1530, 21.6093, 19.8858

Protanomaly

20.8511, 21.6376, 20.2171

Deuteranomaly

21.6998, 21.7024, 19.8749

Tritanomaly

21.8118, 21.6885, 23.1154

Monochromacy



Original Color

21.1530, 21.6093, 19.8858

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.9366, 21.8245, 22.5111

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1530, 21.6093, 19.8858 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(138, 126, 117)` looks like.

```
.text, #text, p{  
    color:rgb(138, 126, 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(138, 126, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 126, 117) }
```

Border

The CSS property to change the border of an element to XYZ 21.1530, 21.6093, 19.8858 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(138, 126, 117) }
```


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

```
.border{ border-color:rgb(138, 126, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 126, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 126, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 126, 117);  
box-shadow:4px 4px 4px 4px rgb(138, 126,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1530, 21.6093, 19.8858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 126, 117) }
```

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

```
.background{ background-color: rgb(138,  
126, 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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