

Converting Colors

XYZ(21.5800, 21.0415, 16.7589)

Have a look what the booklet for
XYZ(21.5800, 21.0415, 16.7589)
contains.

XYZ(21.5238, 20.9393, 16.8172)	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(21.5238, 20.9393,
16.8172)**

Conversions

Conversions Part 1

Format	Color
Hex	93796B
RGB	147, 121, 107
RGB Percent	58%, 47%, 42%
CMY	0.4235, 0.5255, 0.5804
CMYK	0.00, 0.18, 0.27, 0.42
HSL	21°, 16%, 50%
HSV	21°, 27%, 58%
XYZ	21.5238, 20.9393, 16.8172
YIQ	127.1780, 19.9900, 1.1580

Conversions

Conversions Part 2

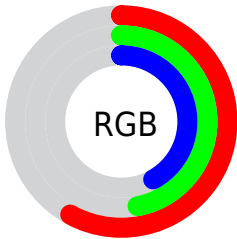
Format	Color
R_{YB}	147, 129, 107
Decimal	9664875
CIE _{Lab}	52.88, 7.85, 11.46
CIE _{LCh}	53, 13.891, 55.567
Yxy	20.9393, 0.3631, 0.3532
Android (android.graphics.Color)	4287854955 (0xFF93796B)
YUV	127.1780, -9.9478, 17.3839
Hunter-Lab	45.7595, 3.8816, 10.2418

Details

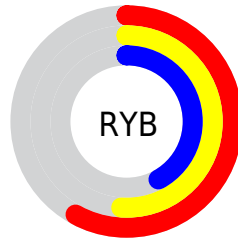
The XYZ color **21.5238, 20.9393, 16.8172** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **19.7172, 22.0068, 30.8123**, and the grayscale version is **20.2627, 21.3180, 23.2152**.

A 20% lighter version of the original color is **45.4722, 44.9123, 38.6201**, and **7.9568, 7.4478, 5.2932** is the 20% darker color. If you saturate the color by 10%, you get **19.7112, 18.4483, 12.7163**, and if you desaturate by 10%, it is **23.5840, 23.7148, 21.6498**.

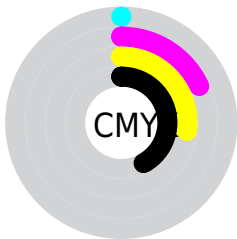
Distribution



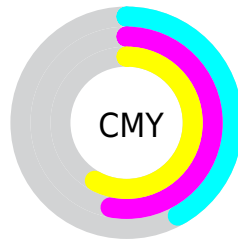
- Red (58%)
- Green (47%)
- Blue (42%)



- Red (58%)
- Yellow (51%)
- Blue (42%)



- Cyan (0%)
- Magenta (18%)
- Yellow (27%)
- Black (42%)



- Cyan (42%)
- Magenta (53%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5238, 20.9393, 16.8172 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 21.5238, 20.9393, 16.8172 by changing the saturation by 10% instead.

■ 21.5238, 20.9393,
16.8172

■ 21.5238, 20.9393,
16.8172

252.7286,
256.9557, 246.1249

■ 13.6221, 13.0796,
9.9437

■ 45.4424, 44.9865,
38.7975

■ 7.9382, 7.4834,
5.2565

■ 62.1900, 61.9428,
54.7414

■ 4.1069, 3.7662,
2.3372

■ 82.6169, 82.7001,
74.5459

■ 1.7628, 1.5437,
0.7519

■ 107.0885,
107.6429, 98.6294

■ 0.4951, 0.3192,
0.0000

135.9701,
137.1554, 127.4105

■ 0.0000, 0.0000,
0.0000

169.6270,

171.6221, 161.3078

208.4248,
211.4274, 200.7397

■ 21.5238, 20.9393,
16.8172

■ 21.5238, 20.9393,
16.8172

■ 19.7112, 18.4483,
12.7163

■ 23.5840, 23.7148,
21.6498

■ 18.1347, 16.2297,
9.3098

■ 25.8995, 26.7808,
27.2464

■ 16.7839, 14.2745,
6.5588

■ 28.4798, 30.1468,
33.6391

■ 15.6474, 12.5723,
4.4201

■ 31.3332, 33.8207,
40.8574

■ 14.7122, 11.1116,
2.8453

■ 34.4678, 37.8104,
48.9296

■ 13.9639, 9.8802,
1.7783

■ 37.8913, 42.1234,
57.8826

■ 13.3802, 8.8622,
1.1231

■ 41.6110, 46.7668,
67.7420

■ 13.2367, 8.6112,
0.9645

■ 45.6340, 51.7478,
78.5323

■ 49.9672, 57.0730,
90.2774

Harmonies

Analogous

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



22.5298, 20.9393, 19.5182



21.5238, 20.9393, 16.8172



20.1189, 20.9393, 15.7173

Triad

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



21.5238, 20.9393, 16.8172



17.2451, 20.9393, 22.1865



21.1322, 20.9393, 30.8041

Complementary

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



21.5238, 20.9393, 16.8172



19.7172, 22.0068, 30.8123

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.



19.6870, 20.9393, 31.7415



21.5238, 20.9393, 16.8172



17.4872, 20.9393, 26.4290

Square

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



21.5238, 20.9393, 16.8172



17.6860, 20.9393, 18.5684



18.3641, 20.9393, 30.0545



22.2961, 20.9393, 27.6286

Rectangle

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



21.5238, 20.9393, 16.8172



19.1619, 20.9393, 15.9286



18.3641, 20.9393, 30.0545



20.6612, 20.9393, 31.4067

Sweetspot

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



21.5244, 20.9403, 16.8176



45.9665, 47.4138, 47.7774



21.5241, 18.4121, 24.6099



10.3552, 10.6418, 10.5702



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



21.5244, 20.9403, 16.8176



36.3975, 34.5577, 25.2215



24.2114, 26.3144, 17.7133



5.9570, 6.1277, 6.1093



11.4970, 7.5085, 0.8433



0.1664, 0.1433, 0.0189

Inverse Universe

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



19.7172, 22.0068, 30.8123



32.5713, 36.8064, 54.8222



17.2352, 17.0429, 29.9850



5.7950, 6.2239, 7.3656



8.1794, 9.0536, 25.2475



0.1278, 0.1663, 0.3183

Previews

White Background



This preview shows how the XYZ color 21.5238, 20.9393, 16.8172 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 21.5238, 20.9393, 16.8172 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

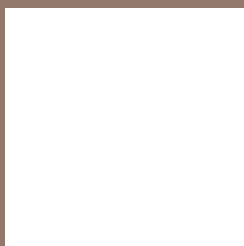
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.5238, 20.9393, 16.8172

Background



This preview shows how black text looks on a background with the XYZ color 21.5238, 20.9393, 16.8172.



This preview shows how white text looks on a background with the XYZ color 21.5238, 20.9393,

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

21.5238, 20.9393, 16.8172

Protanopia

19.9482, 21.0340, 17.7604

Deuteranopia

21.4674, 21.0916, 16.8495



Tritanopia

22.7036, 20.8787, 22.9121

Trichromacy



Original Color

21.5238, 20.9393, 16.8172

Protanomaly

20.4492, 20.9227, 17.4287

Deuteranomaly

21.4674, 21.0916, 16.8495

Tritanomaly

22.1997, 20.8456, 20.6229

Monochromacy



Original Color

21.5238, 20.9393, 16.8172

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.5553, 21.0916, 20.7570

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5238, 20.9393, 16.8172 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(147, 121, 107)` looks like.

```
.text, #text, p{  
    color:rgb(147, 121, 107)  
}
```

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(147, 121, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 121, 107) }
```

Border

The CSS property to change the border of an element to XYZ 21.5238, 20.9393, 16.8172 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(147, 121, 107) }
```


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

```
.border{ border-color:rgb(147, 121, 107) }
```

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

Here you see how a box with a 4 pixel rgb(147, 121, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 121, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 121, 107);  
box-shadow:4px 4px 4px 4px rgb(147, 121,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5238, 20.9393, 16.8172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 121, 107) }
```

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

```
.background{ background-color: rgb(147,  
121, 107) }
```

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