

Converting Colors

XYZ(21.6659, 16.9396, 12.7743)

Have a look what the booklet for
XYZ(21.6659, 16.9396, 12.7743)
contains.

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Color

**XYZ(21.5401, 16.8129,
12.6996)**

Conversions

Conversions Part 1

Format	Color
Hex	A55E5E
RGB	165, 94, 94
RGB Percent	65%, 37%, 37%
CMY	0.3529, 0.6314, 0.6314
CMYK	0.00, 0.43, 0.43, 0.35
HSL	0°, 28%, 51%
HSV	0°, 43%, 65%
XYZ	21.5401, 16.8129, 12.6996
YIQ	115.2290, 42.3160, 15.0520

Conversions

Conversions Part 2

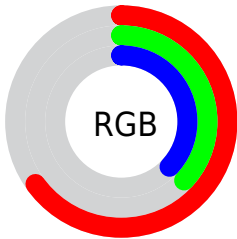
Format	Color
RYB	165, 94, 94
Decimal	10837598
CIELab	48.02, 28.88, 12.67
CIELCh	48, 31.534, 23.685
Yxy	16.8129, 0.4219, 0.3293
Android (android.graphics.Color)	4289027678 (0xFFA55E5E)
YUV	115.2290, -10.4659, 43.6492
Hunter-Lab	41.0035, 22.0140, 10.3392

Details

The XYZ color **21.5401, 16.8129, 12.6996** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **24.8620, 32.0050, 40.4644**, and the grayscale version is **16.3874, 17.2409, 18.7753**.

A 20% lighter version of the original color is **45.4371, 38.1010, 31.3450**, and **7.9409, 5.4824, 3.4360** is the 20% darker color. If you saturate the color by 10%, you get **19.5637, 13.9211, 8.7702**, and if you desaturate by 10%, it is **23.9893, 20.3969, 17.5678**.

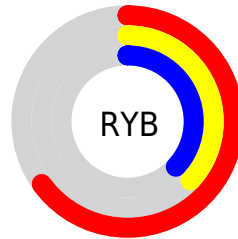
Distribution



Red (65%)

Green (37%)

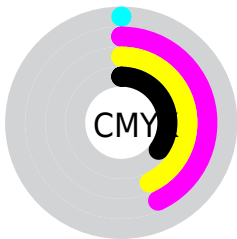
Blue (37%)



Red (65%)

Yellow (37%)

Blue (37%)

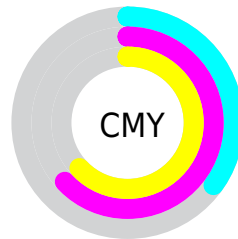


Cyan (0%)

Magenta (43%)

Yellow (43%)

Black (35%)



Cyan (35%)

Magenta (63%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5401, 16.8129, 12.6996 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 21.5401, 16.8129, 12.6996 by changing the saturation by 10% instead.

■ 21.5401, 16.8129,
12.6996

■ 21.5401, 16.8129,
12.6996

252.8128,
234.0919, 220.1232

■ 13.6341, 10.1012,
7.0937

■ 45.4692, 38.0038,
31.4463

■ 7.9466, 5.4661,
3.4415

■ 62.2230, 53.2518,
45.4242

■ 4.1123, 2.5232,
1.3242

■ 82.6568, 72.1140,
63.0298

■ 1.7659, 0.8882,
0.0815

■ 107.1360, 94.9748,
84.6817

■ 0.4970, 0.0000,
0.0000

136.0258,
122.2186, 110.7985

■ 0.0000, 0.0000,
0.0000

169.6916,

154.2297, 141.7986

208.4988,
191.3927, 178.1007

■ 21.5401, 16.8129,
12.6996

■ 21.5401, 16.8129,
12.6996

■ 19.5637, 13.9211,
8.7702

■ 23.9893, 20.3969,
17.5678

■ 18.0284, 11.6745,
5.7182

■ 26.9375, 24.7111,
23.4289

■ 16.9008, 10.0244,
3.4767


■ 30.4109, 29.7936,
30.3338


■ 16.1421, 8.9141,
1.9685

■ 34.4332, 35.6793,
38.3300

■ 15.7059, 8.2759,
1.1016


■ 39.0266, 42.4008,
47.4617

 15.5171, 7.9995,
0.7262

 44.2124, 49.9890,
57.7710

 50.0105, 58.4732,
69.2976

 56.4400, 67.8813,
82.0795

 63.5192, 78.2401,
96.1530

Harmonies

Analogous

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



22.0668, 16.8129, 20.0869



21.5401, 16.8129, 12.6996



19.4489, 16.8129, 8.3514

Triad

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



21.5401, 16.8129, 12.6996



11.9600, 16.8129, 10.4983



15.3851, 16.8129, 38.7468

Complementary

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



21.5401, 16.8129, 12.6996



24.8620, 32.0050, 40.4644

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.



12.9505, 16.8129, 34.0813



21.5401, 16.8129, 12.6996



11.1303, 16.8129, 16.6344

Square

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



21.5401, 16.8129, 12.6996



13.8790, 16.8129, 7.3699



11.4701, 16.8129, 25.3597



18.2833, 16.8129, 36.7602

Rectangle

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



21.5401, 16.8129, 12.6996



17.5690, 16.8129, 7.0002



11.4701, 16.8129, 25.3597



14.4901, 16.8129, 37.8690

Sweetspot

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



21.5405, 16.8137, 12.6999



54.3245, 53.1544, 54.0485



26.3112, 18.7214, 37.8240



11.5726, 11.1760, 11.2121



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



21.5405, 16.8137, 12.6999



35.0615, 24.9671, 15.7548



25.4537, 24.6401, 14.0043



7.0738, 7.0860, 7.3750



11.7389, 6.0518, 0.5494



0.2467, 0.1272, 0.0115

Inverse Universe

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



24.8620, 32.0050, 40.4644



41.8312, 55.9291, 72.3430



19.3240, 20.9289, 38.6184



7.2761, 8.0112, 9.0659



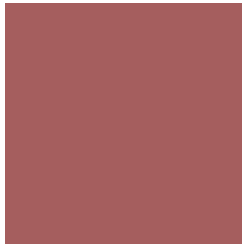
15.3155, 22.4105, 30.4482



0.3218, 0.4709, 0.6398

Previews

White Background



This preview shows how the XYZ color 21.5401, 16.8129, 12.6996 looks on a white background.

Color Contrast Check

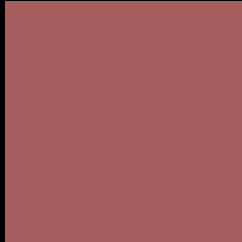
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 21.5401, 16.8129, 12.6996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

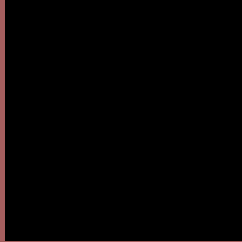
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.5401, 16.8129, 12.6996

Background



This preview shows how black text looks on a background with the XYZ color 21.5401, 16.8129, 12.6996.

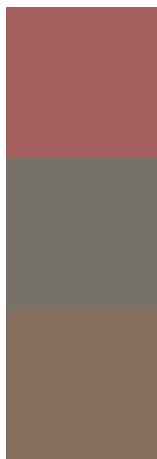


This preview shows how white text looks on a background with the XYZ color 21.5401, 16.8129,

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

21.5401, 16.8129, 12.6996

Protanopia

16.1238, 16.9560, 15.5197

Deuteranopia

17.1371, 16.8937, 12.2551



Tritanopia

21.7317, 16.7481, 14.1439

Trichromacy



Original Color

21.5401, 16.8129, 12.6996

Protanomaly

17.7113, 16.6697, 14.3407

Deuteranomaly

18.5591, 16.6931, 12.3691

Tritanomaly

21.6360, 16.7099, 13.6403

Monochromacy



Original Color

21.5401, 16.8129, 12.6996

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.5844, 16.5635, 16.1802

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5401, 16.8129, 12.6996 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(165, 94, 94)` looks like.

```
.text, #text, p{  
    color:rgb(165, 94, 94)  
}
```

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(165, 94, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 94, 94) }
```

Border

The CSS property to change the border of an element to XYZ 21.5401, 16.8129, 12.6996 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(165, 94, 94) }
```


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

```
.border{ border-color:rgb(165, 94, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 94, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 94, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 94, 94);  
box-shadow:4px 4px 4px 4px rgb(165, 94,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5401, 16.8129, 12.6996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 94, 94) }
```

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

```
.background{ background-color: rgb(165, 94,  
94) }
```

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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