

Converting Colors

XYZ(21.1510, 16.2364, 13.1479)

Have a look what the booklet for
XYZ(21.1510, 16.2364, 13.1479)
contains.

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Color

**XYZ(21.1622, 16.2192,
13.0816)**

Conversions

Conversions Part 1

Format	Color
Hex	A45B60
RGB	164, 91, 96
RGB Percent	64%, 36%, 38%
CMY	0.3569, 0.6431, 0.6235
CMYK	0.00, 0.45, 0.41, 0.36
HSL	356°, 29%, 50%
HSV	356°, 45%, 64%
XYZ	21.1622, 16.2192, 13.0816
YIQ	113.3970, 41.9030, 17.0310

Conversions

Conversions Part 2

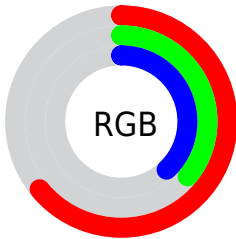
Format	Color
RYB	164, 91, 96
Decimal	10771296
CIELab	47.26, 30.37, 10.38
CIELCh	47, 32.097, 18.873
Yxy	16.2192, 0.4194, 0.3214
Android (android.graphics.Color)	4288961376 (0xFFA45B60)
YUV	113.3970, -8.5767, 44.3788
Hunter-Lab	40.2731, 23.3181, 8.9324

Details

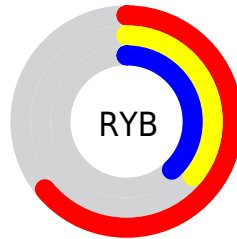
The XYZ color **21.1622, 16.2192, 13.0816** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.8486, 31.2785, 37.5830**, and the grayscale version is **15.8304, 16.6549, 18.1371**.

A 20% lighter version of the original color is **44.6801, 36.7935, 31.9411**, and **7.7463, 5.2093, 3.6148** is the 20% darker color. If you saturate the color by 10%, you get **19.2740, 13.4611, 9.3127**, and if you desaturate by 10%, it is **23.4944, 19.6463, 17.6732**.

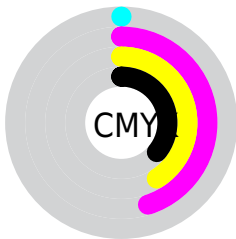
Distribution



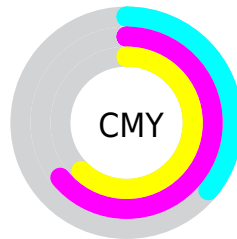
- Red (64%)
- Green (36%)
- Blue (38%)



- Red (64%)
- Yellow (36%)
- Blue (38%)



- Cyan (0%)
- Magenta (45%)
- Yellow (41%)
- Black (36%)



- Cyan (36%)
- Magenta (64%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1622, 16.2192, 13.0816 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 21.1622, 16.2192, 13.0816 by changing the saturation by 10% instead.

■ 21.1622, 16.2192,
13.0816

■ 21.1622, 16.2192,
13.0816

250.8547,
230.6317, 222.6661

■ 13.3558, 9.6794,
7.3534

■ 44.8466, 36.9783,
32.1436

■ 7.7527, 5.1869,
3.6023

■ 61.4552, 51.9664,
46.3145

■ 3.9876, 2.3573,
1.4098

■ 81.7286, 70.5395,
64.1367

■ 1.6951, 0.8038,
0.1493

■ 106.0321, 93.0818,
86.0288

■ 0.4532, 0.0000,
0.0000

134.7312,
119.9777, 112.4092

■ 0.0000, 0.0000,
0.0000

168.1910,

151.6118, 143.6965

206.7771,
188.3683, 180.3093

■ 21.1622, 16.2192,
13.0816

■ 21.1622, 16.2192,
13.0816

■ 19.2740, 13.4611,
9.3127

■ 23.4944, 19.6463,
17.6732

■ 17.8003, 11.3261,
6.3170

■ 26.2948, 23.7796,
23.1313

■ 16.7102, 9.7663,
4.0410


■ 29.5878, 28.6565,
29.4974


■ 15.9679, 8.7259,
2.4243


■ 33.3952, 34.3110,
36.8105


■ 15.5304, 8.1371,
1.3960


■ 37.7380, 40.7749,
45.1069

 15.3715, 7.9172,
1.0415

 42.6356, 48.0784,
54.4212

 48.1068, 56.2502,
64.7864

 54.1692, 65.3173,
76.2338

 60.8399, 75.3059,
88.7935

Harmonies

Analogous

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



21.3982, 16.2192, 20.8430



21.1622, 16.2192, 13.0816



19.2809, 16.2192, 8.3269

Triad

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



21.1622, 16.2192, 13.0816



11.6681, 16.2192, 9.2620



14.3889, 16.2192, 37.8003

Complementary

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



21.1622, 16.2192, 13.0816



23.8486, 31.2785, 37.5830

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.



12.1053, 16.2192, 32.1995



21.1622, 16.2192, 13.0816



10.6675, 16.2192, 14.8187

Square

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



21.1622, 16.2192, 13.0816



13.7211, 16.2192, 6.6339



10.8171, 16.2192, 23.1984



17.2447, 16.2192, 36.9022

Rectangle

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



21.1622, 16.2192, 13.0816



17.4625, 16.2192, 6.7437



10.8171, 16.2192, 23.1984



13.5357, 16.2192, 36.5603

Sweetspot

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



21.1626, 16.2200, 13.0819



54.5287, 53.2355, 55.1255



24.5265, 17.4240, 37.1923



11.6228, 11.1960, 11.4770



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.



21.1626, 16.2200, 13.0819



35.1425, 24.6626, 17.2197



24.0867, 22.4248, 12.9575



7.0925, 7.0935, 7.4737



11.7933, 6.0734, 0.8364



0.2534, 0.1298, 0.0468

Inverse Universe

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



21.1626, 16.2200, 13.0819



35.1425, 24.6626, 17.2197



19.4835, 21.8404, 38.3105



7.0925, 7.0935, 7.4737



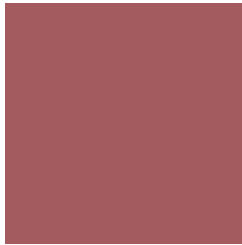
11.7933, 6.0734, 0.8364



0.2534, 0.1298, 0.0468

Previews

White Background



This preview shows how the XYZ color 21.1622, 16.2192, 13.0816 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 21.1622, 16.2192, 13.0816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

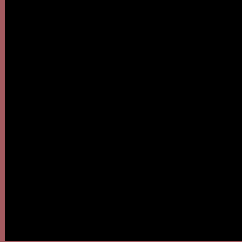
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.1622, 16.2192, 13.0816

Background



This preview shows how black text looks on a background with the XYZ color 21.1622, 16.2192, 13.0816.

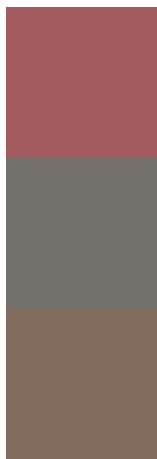


This preview shows how white text looks on a background with the XYZ color 21.1622, 16.2192,

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

21.1622, 16.2192, 13.0816

Protanopia

15.6505, 16.3629, 16.2434

Deuteranopia

16.5443, 16.2613, 12.6227



Tritanopia

21.2086, 16.2378, 13.3256

Trichromacy



Original Color

21.1622, 16.2192, 13.0816

Protanomaly

17.0714, 15.8664, 14.9947

Deuteranomaly

17.9271, 16.0617, 12.7450

Tritanomaly

21.2086, 16.2378, 13.3256

Monochromacy



Original Color

21.1622, 16.2192, 13.0816

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

17.2211, 16.0702, 16.1041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1622, 16.2192, 13.0816 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(164, 91, 96)` looks like.

```
.text, #text, p{  
    color:rgb(164, 91, 96)  
}
```

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(164, 91, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 91, 96) }
```

Border

The CSS property to change the border of an element to XYZ 21.1622, 16.2192, 13.0816 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(164, 91, 96) }
```


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

```
.border{ border-color:rgb(164, 91, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 91, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 91, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 91, 96);  
box-shadow:4px 4px 4px 4px rgb(164, 91,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1622, 16.2192, 13.0816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 91, 96) }
```

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

```
.background{ background-color: rgb(164, 91,  
96) }
```

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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