

Converting Colors

XYZ(21.9068, 16.1695, 11.0124)

Have a look what the booklet for
XYZ(21.9068, 16.1695, 11.0124)
contains.

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Color

**XYZ(21.9231, 16.1624,
10.9810)**

Conversions

Conversions Part 1

Format	Color
Hex	AB5757
RGB	171, 87, 87
RGB Percent	67%, 34%, 34%
CMY	0.3294, 0.6588, 0.6588
CMYK	0.00, 0.49, 0.49, 0.33
HSL	0°, 33%, 51%
HSV	0°, 49%, 67%
XYZ	21.9231, 16.1624, 10.9810
YIQ	112.1160, 50.0640, 17.8080

Conversions

Conversions Part 2

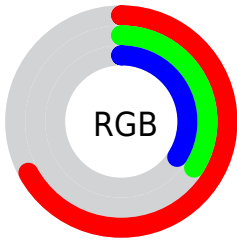
Format	Color
RYB	171, 87, 87
Decimal	11229015
CIELab	47.19, 34.28, 15.85
CIElCh	47, 37.766, 24.812
Yxy	16.1624, 0.4468, 0.3294
Android (android.graphics.Color)	4289419095 (0xFFAB5757)
YUV	112.1160, -12.3822, 51.6413
Hunter-Lab	40.2025, 26.9847, 11.9471

Details

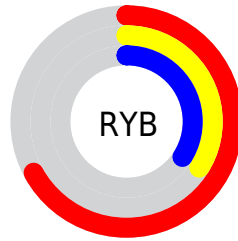
The XYZ color **21.9231, 16.1624, 10.9810** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **25.8434, 34.0908, 43.7462**, and the grayscale version is **15.4605, 16.2656, 17.7133**.

A 20% lighter version of the original color is **46.0611, 36.9294, 28.3673**, and **8.1813, 5.1982, 2.7626** is the 20% darker color. If you saturate the color by 10%, you get **20.0812, 13.4674, 7.3190**, and if you desaturate by 10%, it is **24.2592, 19.5810, 15.6245**.

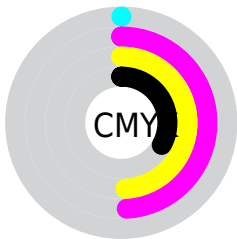
Distribution



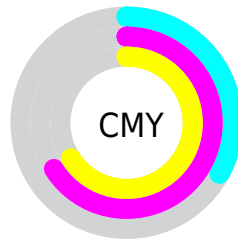
- Red (67%)
- Green (34%)
- Blue (34%)



- Red (67%)
- Yellow (34%)
- Blue (34%)



- Cyan (0%)
- Magenta (49%)
- Yellow (49%)
- Black (33%)





- Cyan (33%)
- Magenta (66%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9231, 16.1624, 10.9810 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 21.9231, 16.1624, 10.9810 by changing the saturation by 10% instead.


 21.9231, 16.1624,
10.9810


 21.9231, 16.1624,
10.9810

254.7843,
230.2981, 208.2699


 13.9167, 9.6391,
5.9401


 46.0987, 36.8799,
28.2611


 8.1441, 5.1604,
2.7405


 62.9985, 51.8430,
41.3374


 4.2398, 2.3417,
0.9637


 83.5936, 70.3880,
57.9292

 1.8387, 0.7956,
0.0000

 108.2492, 92.8996,
78.4551

 0.5408, 0.0000,
0.0000

 137.3307,
119.7620, 103.3335

 0.0000, 0.0000,
0.0000

171.2035,

151.3596, 132.9831

210.2330,
188.0768, 167.8224

■ 21.9231, 16.1624,
10.9810

■ 21.9231, 16.1624,
10.9810

■ 20.0812, 13.4674,
7.3190

■ 24.2592, 19.5810,
15.6245

■ 18.6969, 11.4417,
4.5672

■ 27.1202, 23.7675,
21.3120

■ 17.7305, 10.0276,
2.6462

■ 30.5358, 28.7655,
28.1019


■ 17.1350, 9.1562,
1.4626


■ 34.5330, 34.6145,
36.0483


■ 16.8192, 8.6940,
0.8347

■ 39.1372, 41.3517,
45.2013

 16.7947, 8.6581,
0.7860

 44.3721, 49.0120,
55.6083

 50.2605, 57.6282,
67.3142

 56.8235, 67.2318,
80.3615

 64.0818, 77.8526,
94.7909

Harmonies

Analogous

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



22.6455, 16.1624, 19.3054



21.9231, 16.1624, 10.9810



19.3465, 16.1624, 6.4782

Triad

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



21.9231, 16.1624, 10.9810



10.7087, 16.1624, 9.0181



14.7913, 16.1624, 42.8416

Complementary

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



21.9231, 16.1624, 10.9810



25.8434, 34.0908, 43.7462

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.



11.9658, 16.1624, 37.1933



21.9231, 16.1624, 10.9810



9.8361, 16.1624, 15.9946

Square

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



21.9231, 16.1624, 10.9810



12.8332, 16.1624, 5.6648



10.2608, 16.1624, 26.4497



18.2027, 16.1624, 39.9858

Rectangle

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



21.9231, 16.1624, 10.9810



17.0976, 16.1624, 5.1857



10.2608, 16.1624, 26.4497



13.7478, 16.1624, 41.8285

Sweetspot

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



21.9235, 16.1632, 10.9813



57.3234, 55.3737, 55.5681



27.5535, 18.4147, 40.6302



12.4671, 11.8858, 11.7632



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



21.9235, 16.1632, 10.9813



35.7029, 23.7367, 12.5880



26.3652, 25.0467, 12.4619



8.0053, 8.0154, 8.3386



12.6607, 6.5270, 0.5925



0.3522, 0.1816, 0.0165

Inverse Universe

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



25.8434, 34.0908, 43.7462



43.5547, 59.6474, 78.2194



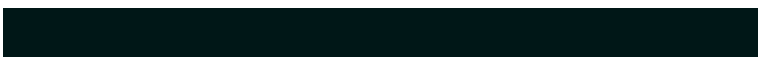
19.1315, 20.6672, 41.5089



8.2363, 9.0720, 10.2697



16.5184, 24.1707, 32.8393



0.4595, 0.6724, 0.9136

Previews

White Background



This preview shows how the XYZ color 21.9231, 16.1624, 10.9810 looks on a white background.

Color Contrast Check

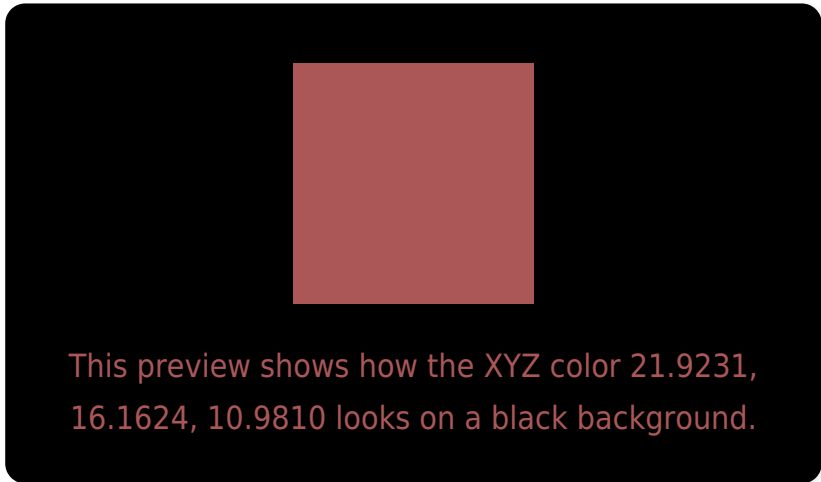
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 21.9231, 16.1624, 10.9810

Background



This preview shows how black text looks on a background with the XYZ color 21.9231, 16.1624, 10.9810.

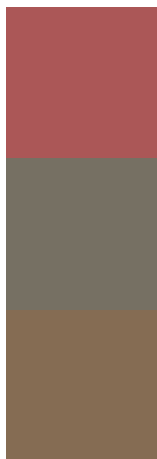


This preview shows how white text looks on a background with the XYZ color 21.9231, 16.1624,

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

21.9231, 16.1624, 10.9810

Protanopia

15.5175, 16.3407, 14.1406

Deuteranopia

16.5968, 16.3362, 10.4621



Tritanopia

22.0541, 16.0862, 12.0678

Trichromacy



Original Color

21.9231, 16.1624, 10.9810

Protanomaly

17.2323, 15.8451, 12.9766

Deuteranomaly

18.1900, 15.9575, 10.5089

Tritanomaly

21.9678, 16.0517, 11.6133

Monochromacy



Original Color

21.9231, 16.1624, 10.9810

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

16.9713, 15.6663, 14.9614

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9231, 16.1624, 10.9810 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(171, 87, 87)` looks like.

```
.text, #text, p{  
    color:rgb(171, 87, 87)  
}
```

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(171, 87, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 87, 87) }
```

Border

The CSS property to change the border of an element to XYZ 21.9231, 16.1624, 10.9810 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(171, 87, 87) }
```


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

```
.border{ border-color:rgb(171, 87, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 87, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 87, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 87, 87);  
box-shadow:4px 4px 4px 4px rgb(171, 87,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9231, 16.1624, 10.9810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 87, 87) }
```

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

```
.background{ background-color: rgb(171, 87,  
87) }
```

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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