

Converting Colors

XYZ(21.7006, 15.8679, 10.6022)

Have a look what the booklet for
XYZ(21.7006, 15.8679, 10.6022)
contains.

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Color

**XYZ(21.6828, 15.8108,
10.5033)**

Conversions

Conversions Part 1

Format	Color
Hex	AB5555
RGB	171, 85, 85
RGB Percent	67%, 33%, 33%
CMY	0.3294, 0.6666, 0.6667
CMYK	0.00, 0.50, 0.50, 0.33
HSL	0°, 34%, 50%
HSV	0°, 50%, 67%
XYZ	21.6828, 15.8108, 10.5033
YIQ	110.7140, 51.2560, 18.2320

Conversions

Conversions Part 2

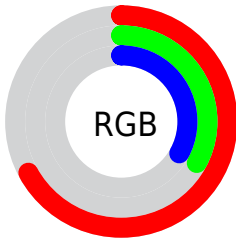
Format	Color
R_{YB}	171, 85, 85
Decimal	11228501
CIE Lab	46.73, 35.14, 16.42
CIE LCh	47, 38.793, 25.046
Yxy	15.8108, 0.4518, 0.3294
Android (android.graphics.Color)	4289418581 (0xFFAB5555)
YUV	110.7140, -12.6770, 52.8708
Hunter-Lab	39.7628, 27.7518, 12.1726

Details

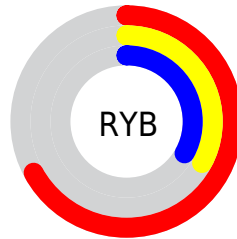
The XYZ color **21.6828, 15.8108, 10.5033** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **25.6591, 33.9957, 43.7375**, and the grayscale version is **15.0522, 15.8361, 17.2455**.

A 20% lighter version of the original color is **45.6319, 36.2986, 27.5229**, and **8.0543, 5.0001, 2.5481** is the 20% darker color. If you saturate the color by 10%, you get **19.8964, 13.1970, 6.9516**, and if you desaturate by 10%, it is **23.9595, 19.1425, 15.0286**.

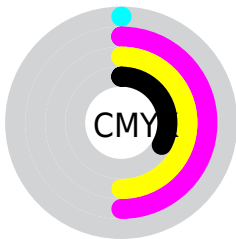
Distribution



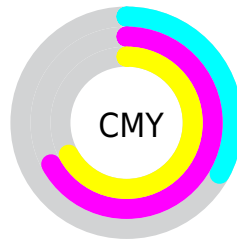
- Red (67%)
- Green (33%)
- Blue (33%)



- Red (67%)
- Yellow (33%)
- Blue (33%)



- Cyan (0%)
- Magenta (50%)
- Yellow (50%)
- Black (33%)



- Cyan (33%)
- Magenta (67%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6828, 15.8108, 10.5033 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 21.6828, 15.8108, 10.5033 by changing the saturation by 10% instead.

■ 21.6828, 15.8108,
10.5033

■ 21.6828, 15.8108,
10.5033

253.5489,
228.2227, 204.8410

■ 13.7393, 9.3904,
5.6240

■ 45.7039, 36.2694,
27.3604

■ 8.0201, 4.9967,
2.5527

■ 62.5123, 51.0764,
40.1753

■ 4.1597, 2.2453,
0.8679

■ 83.0063, 69.4477,
56.4724

■ 1.7929, 0.7445,
0.0000

■ 107.5514, 91.7677,
76.6704

■ 0.5134, 0.0000,
0.0000

■ 136.5128,
118.4208, 101.1877

■ 0.0000, 0.0000,
0.0000

170.2560,

149.7914, 130.4429

209.1462,
186.2639, 164.8545

■ 21.6828, 15.8108,
10.5033

■ 21.6828, 15.8108,
10.5033

■ 19.8964, 13.1970,
6.9516

■ 23.9595, 19.1425,
15.0286

■ 18.5631, 11.2460,
4.3013

■ 26.7575, 23.2368,
20.5909

■ 17.6427, 9.8991,
2.4717

■ 30.1067, 28.1377,
27.2491

■ 17.0871, 9.0860,
1.3673

■ 34.0346, 33.8852,
35.0575

■ 16.7947, 8.6581,
0.7860

■ 38.5665, 40.5167,
44.0668

■ 43.7265, 48.0672,
54.3248

■ 49.5372, 56.5699,
65.8765

■ 56.0203, 66.0564,
78.7648

■ 63.1962, 76.5567,
93.0305

Harmonies

Analogous

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



22.4372, 15.8108, 18.8652



21.6828, 15.8108, 10.5033



19.0467, 15.8108, 6.0581

Triad

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



21.6828, 15.8108, 10.5033



10.3250, 15.8108, 8.6334



14.4760, 15.8108, 43.0528

Complementary

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



21.6828, 15.8108, 10.5033



25.6591, 33.9957, 43.7375

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.



11.6180, 15.8108, 37.3003



21.6828, 15.8108, 10.5033



9.4606, 15.8108, 15.6645

Square

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



21.6828, 15.8108, 10.5033



12.4522, 15.8108, 5.2951



9.8961, 15.8108, 26.3091



17.9358, 15.8108, 40.0438

Rectangle

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



21.6828, 15.8108, 10.5033



16.7594, 15.8108, 4.8033



9.8961, 15.8108, 26.3091



13.4195, 15.8108, 42.0325

Sweetspot

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



21.6832, 15.8116, 10.5036



57.3234, 55.3738, 55.5681



27.3938, 18.0953, 40.5770



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.



21.6832, 15.8116, 10.5036



35.4219, 23.3256, 12.0294



26.1535, 24.7522, 11.9937



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.



25.6591, 33.9957, 43.7375



43.3392, 59.5361, 78.2093



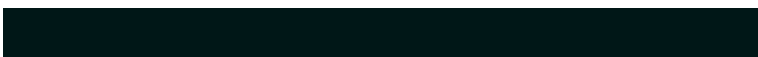
18.8163, 20.3100, 41.4565



8.2363, 9.0720, 10.2697



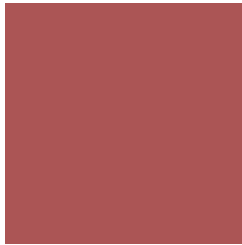
16.5184, 24.1706, 32.8393



0.4595, 0.6724, 0.9136

Previews

White Background



This preview shows how the XYZ color 21.6828, 15.8108, 10.5033 looks on a white background.

Color Contrast Check

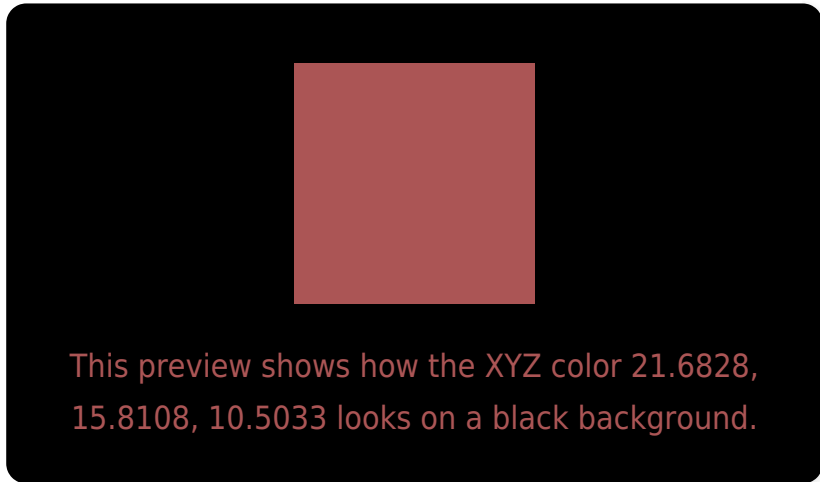
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6828, 15.8108, 10.5033

Background



This preview shows how black text looks on a background with the XYZ color 21.6828, 15.8108, 10.5033.

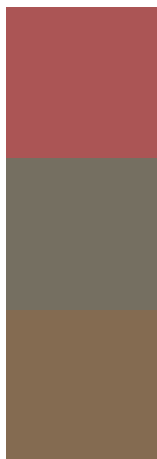


This preview shows how white text looks on a background with the XYZ color 21.6828, 15.8108,

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

21.6828, 15.8108, 10.5033

Protanopia

15.1782, 16.0139, 13.6003

Deuteranopia

16.2586, 16.0150, 10.0189



Tritanopia

21.8104, 15.7368, 11.5608

Trichromacy



Original Color

21.6828, 15.8108, 10.5033

Protanomaly

17.0437, 15.6114, 12.4709

Deuteranomaly

17.8389, 15.6439, 10.0620

Tritanomaly

21.7264, 15.7032, 11.1184

Monochromacy



Original Color

21.6828, 15.8108, 10.5033

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

16.8225, 15.4486, 14.6656

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6828, 15.8108, 10.5033 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, 85, 85)` looks like.

```
.text, #text, p{  
    color:rgb(171, 85, 85)  
}
```

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, 85, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 85, 85) }
```

Border

The CSS property to change the border of an element to XYZ 21.6828, 15.8108, 10.5033 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, 85, 85) }
```


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

```
.border{ border-color:rgb(171, 85, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 85, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 85, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 85, 85);  
box-shadow:4px 4px 4px 4px rgb(171, 85,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6828, 15.8108, 10.5033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 85, 85) }
```

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

```
.background{ background-color: rgb(171, 85,  
85) }
```

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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