

Converting Colors

XYZ(22.2333, 16.5540, 12.0385)

Have a look what the booklet for
XYZ(22.2333, 16.5540, 12.0385)
contains.

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Color

**XYZ(22.2987, 16.5754,
12.1493)**

Conversions

Conversions Part 1

Format	Color
Hex	AB595C
RGB	171, 89, 92
RGB Percent	67%, 35%, 36%
CMY	0.3294, 0.6510, 0.6392
CMYK	0.00, 0.48, 0.46, 0.33
HSL	358°, 33%, 51%
HSV	358°, 48%, 67%
XYZ	22.2987, 16.5754, 12.1493
YIQ	113.8600, 47.9090, 18.3170

Conversions

Conversions Part 2

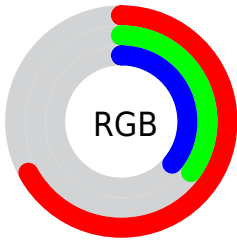
Format	Color
R_{YB}	171, 89, 92
Decimal	11229532
CIE Lab	47.72, 33.72, 13.58
CIE LCh	48, 36.352, 21.932
Yxy	16.5754, 0.4370, 0.3249
Android (android.graphics.Color)	4289419612 (0xFFAB595C)
YUV	113.8600, -10.7770, 50.1118
Hunter-Lab	40.7129, 26.5180, 10.8061

Details

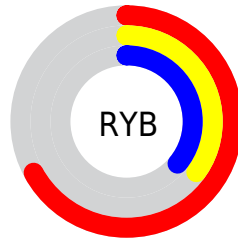
The XYZ color **22.2987, 16.5754, 12.1493** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **25.7515, 34.0771, 42.2682**, and the grayscale version is **15.9740, 16.8059, 18.3016**.

A 20% lighter version of the original color is **46.7205, 37.6608, 30.3980**, and **8.3222, 5.3597, 3.1807** is the 20% darker color. If you saturate the color by 10%, you get **20.3938, 13.7956, 8.3392**, and if you desaturate by 10%, it is **24.6916, 20.0805, 16.8951**.

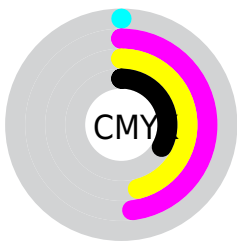
Distribution



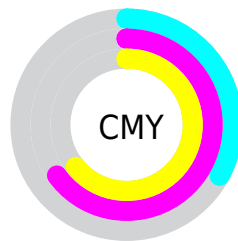
- Red (67%)
- Green (35%)
- Blue (36%)



- Red (67%)
- Yellow (35%)
- Blue (36%)



- Cyan (0%)
- Magenta (48%)
- Yellow (46%)
- Black (33%)



- Cyan (33%)
- Magenta (65%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2987, 16.5754, 12.1493 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 22.2987, 16.5754, 12.1493 by changing the saturation by 10% instead.

■ 22.2987, 16.5754,
12.1493

■ 22.2987, 16.5754,
12.1493

256.7054,
232.7135, 216.4041

■ 14.1944, 9.9322,
6.7217

■ 46.7144, 37.5943,
30.4352

■ 8.3386, 5.3540,
3.2129

■ 63.7564, 52.7388,
44.1305

■ 4.3660, 2.4565,
1.2043

■ 84.5085, 71.4859,
61.4188

■ 1.9112, 0.8547,
0.0000

■ 109.3358, 94.2199,
82.7187

■ 0.5833, 0.0000,
0.0000

■ 138.6038,
121.3253, 108.4486

■ 0.0000, 0.0000,
0.0000

172.6778,

153.1864, 139.0271

211.9232,
190.1877, 174.8727

■ 22.2987, 16.5754,
12.1493

■ 22.2987, 16.5754,
12.1493

■ 20.3938, 13.7956,
8.3392

■ 24.6916, 20.0805,
16.8951

■ 18.9422, 11.6881,
5.4021

■ 27.6015, 24.3542,
22.6318

■ 17.9065, 10.1967,
3.2692

■ 31.0568, 29.4392,
29.4115


■ 17.2430, 9.2549,
1.8607


■ 35.0833, 35.3744,
37.2823


■ 16.8853, 8.7551,
1.0763


■ 39.7051, 42.1963,
46.2894

 16.8287, 8.6716,
0.9662

 44.9453, 49.9391,
56.4754

 50.8253, 58.6353,
67.8807

 57.3657, 68.3158,
80.5438

 64.5862, 79.0101,
94.5014

Harmonies

Analogous

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



22.7950, 16.5754, 20.6807



22.2987, 16.5754, 12.1493



19.9348, 16.5754, 7.2987

Triad

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



22.2987, 16.5754, 12.1493



11.3250, 16.5754, 9.1019



14.8927, 16.5754, 42.2311

Complementary

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



22.2987, 16.5754, 12.1493



25.7515, 34.0771, 42.2682

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.



12.2036, 16.5754, 36.1451



22.2987, 16.5754, 12.1493



10.3371, 16.5754, 15.6484

Square

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



22.2987, 16.5754, 12.1493



13.5316, 16.5754, 6.0082



10.6350, 16.5754, 25.6002



18.2083, 16.5754, 40.2890

Rectangle

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



22.2987, 16.5754, 12.1493



17.7752, 16.5754, 5.8119



10.6350, 16.5754, 25.6002



13.8929, 16.5754, 40.9988

Sweetspot

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



22.2991, 16.5763, 12.1496



58.1697, 56.4789, 57.6616



26.8387, 18.2905, 40.6438



12.6454, 12.1137, 12.2197



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.



22.2991, 16.5763, 12.1496



36.2070, 24.2453, 14.2964



26.0463, 24.2761, 12.7653



8.0167, 8.0199, 8.3985



12.6908, 6.5388, 0.7511



0.3568, 0.1834, 0.0407

Inverse Universe

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



22.2991, 16.5763, 12.1496



36.2070, 24.2453, 14.2964



20.0102, 22.1428, 41.7472



8.0167, 8.0199, 8.3985



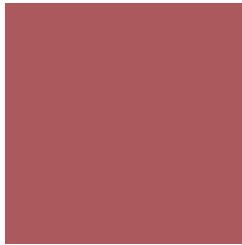
12.6908, 6.5388, 0.7511



0.3568, 0.1834, 0.0407

Previews

White Background



This preview shows how the XYZ color 22.2987, 16.5754, 12.1493 looks on a white background.

Color Contrast Check

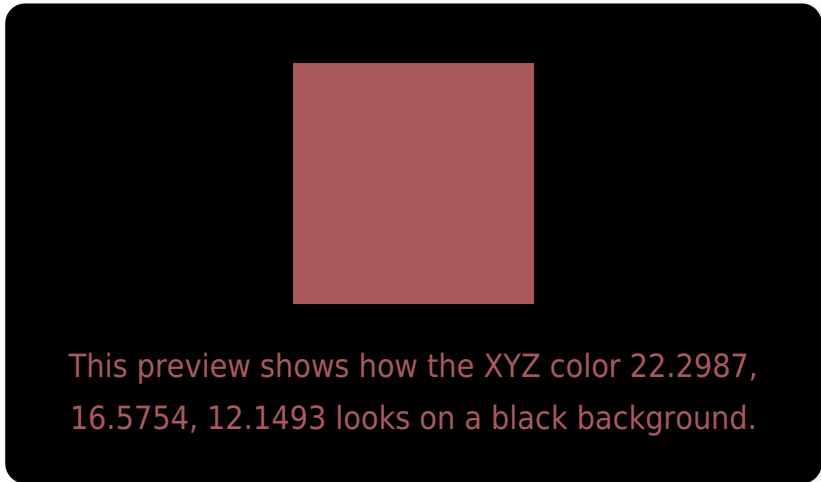
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2987, 16.5754, 12.1493

Background



This preview shows how black text looks on a background with the XYZ color 22.2987, 16.5754, 12.1493.

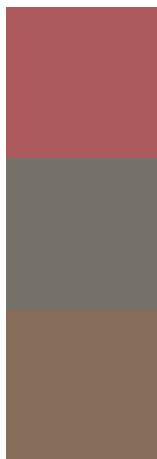


This preview shows how white text looks on a background with the XYZ color 22.2987, 16.5754,

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

22.2987, 16.5754, 12.1493

Protanopia

15.8750, 16.6613, 15.4759

Deuteranopia

16.9447, 16.6451, 11.7709



Tritanopia

22.4325, 16.6289, 12.8538

Trichromacy



Original Color

22.2987, 16.5754, 12.1493

Protanomaly

17.5671, 16.1391, 14.2459

Deuteranomaly

18.6295, 16.4440, 11.8650

Tritanomaly

22.3873, 16.6108, 12.6159

Monochromacy



Original Color

22.2987, 16.5754, 12.1493

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

17.6448, 16.2947, 15.8509

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2987, 16.5754, 12.1493 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, 89, 92)` looks like.

```
.text, #text, p{  
    color:rgb(171, 89, 92)  
}
```

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, 89, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 89, 92) }
```

Border

The CSS property to change the border of an element to XYZ 22.2987, 16.5754, 12.1493 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, 89, 92) }
```


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

```
.border{ border-color:rgb(171, 89, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 89, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 89, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 89, 92);  
box-shadow:4px 4px 4px 4px rgb(171, 89,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2987, 16.5754, 12.1493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 89, 92) }
```

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

```
.background{ background-color: rgb(171, 89,  
92) }
```

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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