

Converting Colors

XYZ(22.2021, 16.4291, 10.0169)

Have a look what the booklet for
XYZ(22.2021, 16.4291, 10.0169)
contains.

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Color

**XYZ(22.2463, 16.4729,
9.9897)**

Conversions

Conversions Part 1

Format	Color
Hex	AD5852
RGB	173, 88, 82
RGB Percent	68%, 35%, 32%
CMY	0.3216, 0.6549, 0.6784
CMYK	0.00, 0.49, 0.53, 0.32
HSL	4°, 36%, 50%
HSV	4°, 53%, 68%
XYZ	22.2463, 16.4729, 9.9897
YIQ	112.7310, 52.5860, 16.1540

Conversions

Conversions Part 2

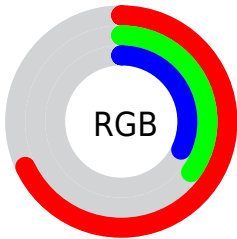
Format	Color
R_{YB}	173, 88, 82
Decimal	11360338
CIE Lab	47.59, 34.05, 19.43
CIE LCh	48, 39.201, 29.715
Yxy	16.4729, 0.4567, 0.3382
Android (android.graphics.Color)	4289550418 (0xFFAD5852)
YUV	112.7310, -15.1504, 52.8559
Hunter-Lab	40.5868, 26.8118, 13.8176

Details

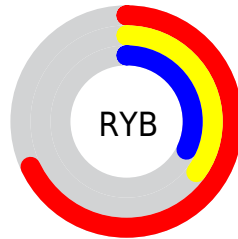
The XYZ color **22.2463, 16.4729, 9.9897** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **24.8403, 32.4465, 44.4886**, and the grayscale version is **15.6494, 16.4644, 17.9297**.

A 20% lighter version of the original color is **46.7535, 37.5507, 26.2566**, and **8.2619, 5.2976, 2.3374** is the 20% darker color. If you saturate the color by 10%, you get **20.4865, 13.8774, 6.5545**, and if you desaturate by 10%, it is **24.4669, 19.7245, 14.3975**.

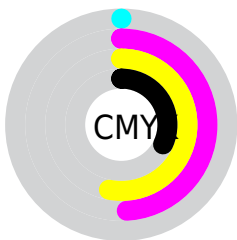
Distribution



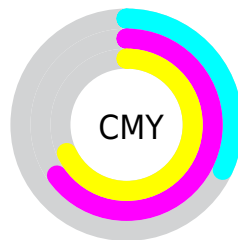
- Red (68%)
- Green (35%)
- Blue (32%)



- Red (68%)
- Yellow (35%)
- Blue (32%)



- Cyan (0%)
- Magenta (49%)
- Yellow (53%)
- Black (32%)



- Cyan (32%)
- Magenta (65%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2463, 16.4729, 9.9897 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 22.2463, 16.4729, 9.9897 by changing the saturation by 10% instead.

■ 22.2463, 16.4729,
9.9897

■ 22.2463, 16.4729,
9.9897

256.4381,
232.1163, 201.0807

■ 14.1556, 9.8594,
5.2866

■ 46.6286, 37.4173,
26.3836

■ 8.3114, 5.3058,
2.3547

■ 63.6509, 52.5169,
38.9116

■ 4.3483, 2.4278,
0.7616

■ 84.3810, 71.2141,
54.8849

■ 1.9010, 0.8401,
0.0000

■ 109.1845, 93.8931,
74.7221

■ 0.5774, 0.0000,
0.0000

■ 138.4266,
120.9385, 98.8417

■ 0.0000, 0.0000,
0.0000

172.4726,

152.7345, 127.6623

211.6880,
189.6656, 161.6025

■ 22.2463, 16.4729,
9.9897

■ 22.2463, 16.4729,
9.9897

■ 20.4865, 13.8774,
6.5545

■ 24.4669, 19.7245,
14.3975

■ 19.1539, 11.8910,
4.0176

■ 27.1763, 23.6698,
19.8431

■ 18.2122, 10.4646,
2.2950

■ 30.4017, 28.3467,
26.3870

■ 17.6187, 9.5404,
1.2869

■ 34.1680, 33.7896,
34.0848

■ 17.3580, 9.1332,
0.8480

■ 38.4984, 40.0307,
42.9883

■ 43.4150, 47.1003,
53.1463

■ 48.9383, 55.0273,
64.6047

■ 55.0881, 63.8391,
77.4073

■ 61.8832, 73.5618,
91.5956

Harmonies

Analogous

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



23.3815, 16.4729, 18.0320



22.2463, 16.4729, 9.9897



19.2951, 16.4729, 5.9239

Triad

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



22.2463, 16.4729, 9.9897



10.5428, 16.4729, 9.8780



15.6236, 16.4729, 44.8748

Complementary

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



22.2463, 16.4729, 9.9897



24.8403, 32.4465, 44.4886

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.



12.5076, 16.4729, 40.2080



22.2463, 16.4729, 9.9897



9.8541, 16.4729, 17.8407

Square

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



22.2463, 16.4729, 9.9897



12.5575, 16.4729, 5.8784



10.5172, 16.4729, 29.2633



19.2287, 16.4729, 40.3721

Rectangle

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



22.2463, 16.4729, 9.9897



16.8873, 16.4729, 4.8846



10.5172, 16.4729, 29.2633



14.4879, 16.4729, 44.3079

Sweetspot

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



22.2467, 16.4738, 9.9900



58.5967, 56.7664, 55.7264



27.3607, 17.7628, 39.2524



12.4430, 11.9156, 11.5150



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.



22.2467, 16.4738, 9.9900



36.2851, 24.2525, 10.9580



27.0146, 26.0095, 11.5793



8.0461, 8.0970, 8.3522



12.7684, 6.7423, 0.6284



0.3686, 0.2144, 0.0220

Inverse Universe

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



24.8403, 32.4465, 44.4886



41.3972, 55.8809, 79.4100



18.0993, 18.9646, 42.2416



8.1904, 8.9802, 10.2544



14.9959, 21.1257, 32.3318



0.4304, 0.6141, 0.9038

Previews

White Background



This preview shows how the XYZ color 22.2463, 16.4729, 9.9897 looks on a white background.

Color Contrast Check

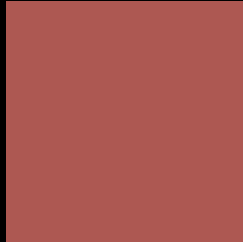
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2463, 16.4729, 9.9897 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 22.2463, 16.4729, 9.9897

Background



This preview shows how black text looks on a background with the XYZ color 22.2463, 16.4729, 9.9897.



This preview shows how white text looks on a background with the XYZ color 22.2463, 16.4729,

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

22.2463, 16.4729, 9.9897

Protanopia

15.6266, 16.5936, 12.7352

Deuteranopia

16.8355, 16.6382, 9.5319



Tritanopia

22.7591, 16.4446, 12.3305

Trichromacy



Original Color

22.2463, 16.4729, 9.9897

Protanomaly

17.4009, 16.1109, 11.6438

Deuteranomaly

18.4594, 16.2614, 9.5630

Tritanomaly

22.6669, 16.5363, 11.4483

Monochromacy



Original Color

22.2463, 16.4729, 9.9897

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

17.3403, 16.0108, 14.7468

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2463, 16.4729, 9.9897 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(173, 88, 82)` looks like.

```
.text, #text, p{  
    color:rgb(173, 88, 82)  
}
```

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(173, 88, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 88, 82) }
```

Border

The CSS property to change the border of an element to XYZ 22.2463, 16.4729, 9.9897 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(173, 88, 82) }
```


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

```
.border{ border-color:rgb(173, 88, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 88, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 88, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 88, 82);  
box-shadow:4px 4px 4px 4px rgb(173, 88,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2463, 16.4729, 9.9897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 88, 82) }
```

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

```
.background{ background-color: rgb(173, 88,  
82) }
```

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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