

Converting Colors

XYZ(22.7464, 17.1806, 11.7496)

Have a look what the booklet for
XYZ(22.7464, 17.1806, 11.7496)
contains.

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Color

**XYZ(22.6859, 17.1631,
11.7900)**

Conversions

Conversions Part 1

Format	Color
Hex	AC5C5A
RGB	172, 92, 90
RGB Percent	67%, 36%, 35%
CMY	0.3255, 0.6392, 0.6471
CMYK	0.00, 0.47, 0.48, 0.33
HSL	1°, 33%, 51%
HSV	1°, 48%, 67%
XYZ	22.6859, 17.1631, 11.7900
YIQ	115.6920, 48.3220, 16.3380

Conversions

Conversions Part 2

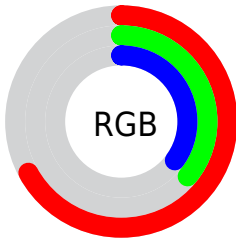
Format	Color
RYB	172, 92, 90
Decimal	11295834
CIELab	48.46, 32.29, 15.82
CIELCh	48, 35.954, 26.103
Yxy	17.1631, 0.4393, 0.3324
Android (android.graphics.Color)	4289485914 (0xFFAC5C5A)
YUV	115.6920, -12.6662, 49.3821
Hunter-Lab	41.4284, 25.2458, 12.1267

Details

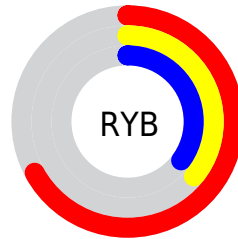
The XYZ color **22.6859, 17.1631, 11.7900** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **26.0369, 33.9003, 44.2009**, and the grayscale version is **16.5338, 17.3948, 18.9430**.

A 20% lighter version of the original color is **47.3400, 38.6630, 29.7785**, and **8.5210, 5.6226, 3.0190** is the 20% darker color. If you saturate the color by 10%, you get **20.7407, 14.3118, 7.9381**, and if you desaturate by 10%, it is **25.1234, 20.7278, 16.6421**.

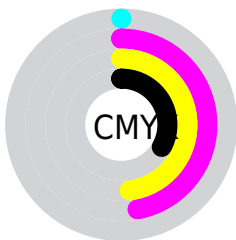
Distribution



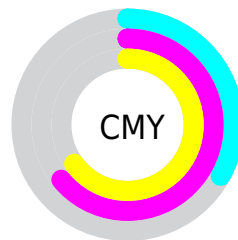
- Red (67%)
- Green (36%)
- Blue (35%)



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



- Cyan (0%)
- Magenta (47%)
- Yellow (48%)
- Black (33%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6859, 17.1631, 11.7900 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 22.6859, 17.1631, 11.7900 by changing the saturation by 10% instead.

■ 22.6859, 17.1631,
11.7900

■ 22.6859, 17.1631,
11.7900

258.6732,
236.1105, 213.9384

■ 14.4812, 10.3508,
6.4800

■ 47.3475, 38.6060,
29.7707

■ 8.5400, 5.6322,
3.0656

■ 64.5351, 54.0054,
43.2785

■ 4.4971, 2.6227,
1.1283

■ 85.4477, 73.0360,
60.3561

■ 1.9870, 0.9381,
0.0000

■ 110.4507, 96.0822,
81.4219

■ 0.6267, 0.0000,
0.0000

■ 139.9093,
123.5283, 106.8945

■ 0.0000, 0.0000,
0.0000

174.1891,

155.7588, 137.1924

213.6552,
193.1581, 172.7342

■ 22.6859, 17.1631,
11.7900

■ 22.6859, 17.1631,
11.7900

■ 20.7407, 14.3118,
7.9381

■ 25.1234, 20.7278,
16.6421

■ 19.2530, 12.1235,
5.0157

■ 28.0820, 25.0465,
22.5563

■ 18.1858, 10.5455,
2.9448


■ 31.5901, 30.1601,
29.5908


■ 17.4957, 9.5160,
1.6339


■ 35.6734, 36.1057,
37.7993


■ 17.1232, 8.9554,
0.9410


■ 40.3562, 42.9180,
47.2317

 17.0589, 8.8619,
0.8114

 45.6613, 50.6297,
57.9355

 51.6102, 59.2720,
69.9554

 58.2237, 68.8744,
83.3340

 65.5214, 79.4653,
98.1119

Harmonies

Analogous

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



23.4815, 17.1631, 19.9474



22.6859, 17.1631, 11.7900



20.1056, 17.1631, 7.3145

Triad

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



22.6859, 17.1631, 11.7900



11.6011, 17.1631, 10.2885



15.8865, 17.1631, 43.2492

Complementary

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



22.6859, 17.1631, 11.7900



26.0369, 33.9003, 44.2009

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.



13.0302, 17.1631, 38.1448



22.6859, 17.1631, 11.7900



10.7757, 17.1631, 17.4822

Square

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



22.6859, 17.1631, 11.7900



13.6824, 17.1631, 6.6747



11.2616, 17.1631, 27.8569



19.2609, 17.1631, 40.1625

Rectangle

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



22.6859, 17.1631, 11.7900



17.8816, 17.1631, 6.0324



11.2616, 17.1631, 27.8569



14.8389, 17.1631, 42.3994

Sweetspot

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



22.6863, 17.1640, 11.7903



59.7250, 58.2340, 58.5352



27.9853, 19.0094, 40.5393



12.6555, 12.1835, 12.0698



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.



22.6863, 17.1640, 11.7903



37.5193, 25.8061, 14.1891



27.1599, 26.1111, 13.2815



8.0204, 8.0455, 8.3436



12.7006, 6.6066, 0.6058



0.3583, 0.1937, 0.0185

Inverse Universe

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



26.0369, 33.9003, 44.2009



44.3136, 59.7749, 80.0079



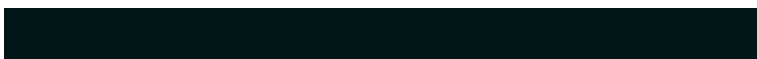
19.5969, 21.0203, 42.0542



8.2193, 9.0380, 10.2640



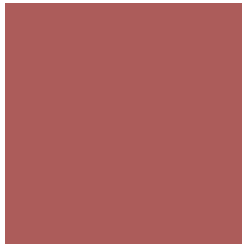
15.9398, 23.0135, 32.6464



0.4486, 0.6505, 0.9099

Previews

White Background



This preview shows how the XYZ color 22.6859, 17.1631, 11.7900 looks on a white background.

Color Contrast Check

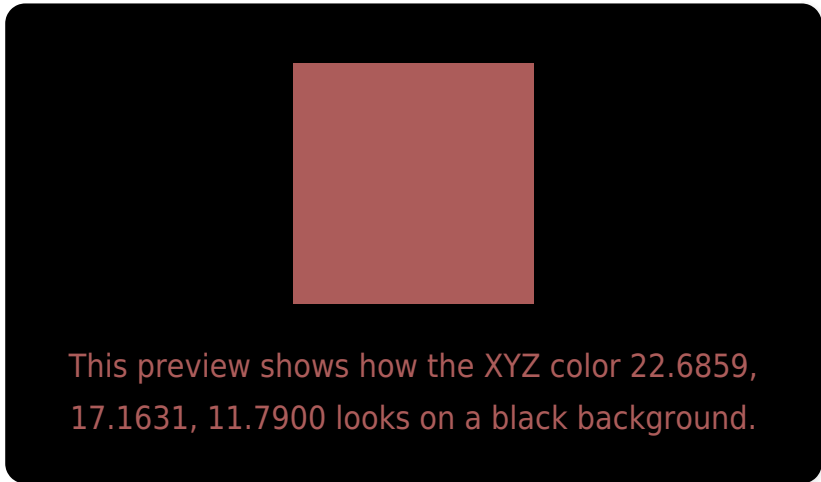
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.6859, 17.1631, 11.7900

Background



This preview shows how black text looks on a background with the XYZ color 22.6859, 17.1631, 11.7900.

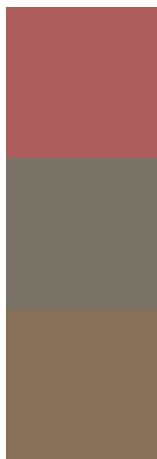


This preview shows how white text looks on a background with the XYZ color 22.6859, 17.1631,

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

22.6859, 17.1631, 11.7900

Protanopia

16.3649, 17.2660, 14.7821

Deuteranopia

17.5581, 17.2912, 11.4290



Tritanopia

23.1323, 17.2295, 13.4157

Trichromacy



Original Color

22.6859, 17.1631, 11.7900

Protanomaly

18.2306, 16.9539, 13.6208

Deuteranomaly

19.1062, 16.9948, 11.5058

Tritanomaly

22.9950, 17.1746, 12.6927

Monochromacy



Original Color

22.6859, 17.1631, 11.7900

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

18.0649, 16.8112, 16.2027

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6859, 17.1631, 11.7900 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(172, 92, 90)` looks like.

```
.text, #text, p{  
    color:rgb(172, 92, 90)  
}
```

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(172, 92, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 92, 90) }
```

Border

The CSS property to change the border of an element to XYZ 22.6859, 17.1631, 11.7900 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(172, 92, 90) }
```


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

```
.border{ border-color:rgb(172, 92, 90) }
```

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

Here you see how a box with a 4 pixel rgb(172, 92, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 92, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 92, 90);  
box-shadow:4px 4px 4px 4px rgb(172, 92,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6859, 17.1631, 11.7900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 92, 90) }
```

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

```
.background{ background-color: rgb(172, 92,  
90) }
```

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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