

Converting Colors

XYZ(21.8491, 17.8838, 8.3782)

Have a look what the booklet for
XYZ(21.8491, 17.8838, 8.3782)
contains.

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Color

**XYZ(21.8753, 17.9071,
8.4343)**

Conversions

Conversions Part 1

Format	Color
Hex	A86448
RGB	168, 100, 72
RGB Percent	66%, 39%, 28%
CMY	0.3412, 0.6078, 0.7176
CMYK	0.00, 0.40, 0.57, 0.34
HSL	18°, 40%, 47%
HSV	18°, 57%, 66%
XYZ	21.8753, 17.9071, 8.4343
YIQ	117.1400, 49.5160, 5.7080

Conversions

Conversions Part 2

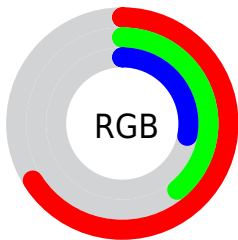
Format	Color
R_{YB}	168, 112, 72
Decimal	11035720
CIE _{Lab}	49.38, 24.59, 27.47
CIE _{LCh}	49, 36.871, 48.170
Yxy	17.9071, 0.4537, 0.3714
Android (android.graphics.Color)	4289225800 (0xFFA86448)
YUV	117.1400, -22.2540, 44.6042
Hunter-Lab	42.3168, 18.2197, 17.8045

Details

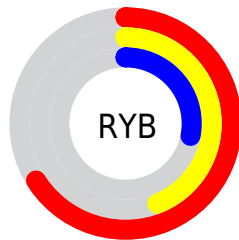
The XYZ color **21.8753, 17.9071, 8.4343** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **19.1177, 22.9596, 40.4695**, and the grayscale version is **17.0085, 17.8943, 19.4869**.

A 20% lighter version of the original color is **46.0435, 40.0057, 23.3843**, and **8.1079, 5.9799, 1.7638** is the 20% darker color. If you saturate the color by 10%, you get **20.3412, 15.5994, 5.5786**, and if you desaturate by 10%, it is **23.7268, 20.6099, 12.1350**.

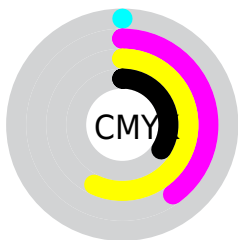
Distribution



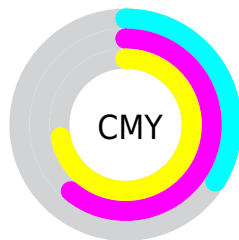
- Red (66%)
- Green (39%)
- Blue (28%)



- Red (66%)
- Yellow (44%)
- Blue (28%)



- Cyan (0%)
- Magenta (40%)
- Yellow (57%)
- Black (34%)



- Cyan (34%)
- Magenta (61%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8753, 17.9071, 8.4343 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 21.8753, 17.9071, 8.4343 by changing the saturation by 10% instead.

■ 21.8753, 17.9071,
8.4343

■ 21.8753, 17.9071,
8.4343

254.5390,
240.3469, 189.1598

■ 13.8814, 10.8833,
4.2823

■ 46.0202, 39.8790,
23.3656

■ 8.1194, 5.9884,
1.7815

■ 62.9019, 55.5958,
34.9821

■ 4.2239, 2.8380,
0.4157

■ 83.4769, 74.9792,
49.9238

■ 1.8296, 1.0478,
0.0000

■ 108.1106, 98.4134,
68.6092

■ 0.5354, 0.0000,
0.0000

■ 137.1683,
126.2829, 91.4570

■ 0.0000, 0.0000,
0.0000

171.0153,

158.9720, 118.8857

210.0171,
196.8652, 151.3138

■ 21.8753, 17.9071,
8.4343

■ 21.8753, 17.9071,
8.4343

■ 20.3412, 15.5994,
5.5786

■ 23.7268, 20.6099,
12.1350

■ 19.1034, 13.6648,
3.4985

■ 25.9122, 23.7232,
16.7403

■ 18.1401, 12.0828,
2.1152

■ 28.4484, 27.2645,
22.3059

■ 17.4210, 10.8279,
1.3097

■ 31.3507, 31.2498,
28.8824

■ 17.2470, 10.5221,
1.1220

■ 34.6336, 35.6940,
36.5169

■ 38.3104, 40.6113,
45.2536

■ 42.3942, 46.0155,
55.1340

■ 46.8971, 51.9195,
66.1975

■ 51.8310, 58.3360,
78.4819

Harmonies

Analogous

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



24.1889, 17.9071, 14.1196



21.8753, 17.9071, 8.4343



18.4267, 17.9071, 6.1274

Triad

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



21.8753, 17.9071, 8.4343



11.2834, 17.9071, 15.8329



19.1895, 17.9071, 43.9092

Complementary

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



21.8753, 17.9071, 8.4343



19.1177, 22.9596, 40.4695

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.



15.6871, 17.9071, 44.8570



21.8753, 17.9071, 8.4343



11.4294, 17.9071, 26.0930

Square

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



21.8753, 17.9071, 8.4343



12.5120, 17.9071, 9.3194



12.9425, 17.9071, 37.5097



22.4988, 17.9071, 35.2424

Rectangle

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



21.8753, 17.9071, 8.4343



16.0883, 17.9071, 6.0298



12.9425, 17.9071, 37.5097



17.9873, 17.9071, 45.2277

Sweetspot

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



21.8757, 17.9080, 8.4346



56.7959, 56.5781, 52.1935



23.2586, 14.8767, 26.7669



12.1500, 12.0188, 10.8513



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



21.8757, 17.9080, 8.4346



36.1546, 27.1397, 8.7991



27.7829, 29.7223, 10.4037



7.7028, 7.8857, 7.9054



13.0638, 8.0249, 0.8604



0.3613, 0.2821, 0.0354

Inverse Universe

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



19.1177, 22.9596, 40.4695



30.5692, 37.0802, 72.7711



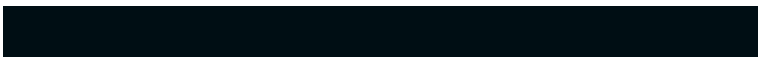
13.6372, 11.9986, 38.6427



7.5600, 8.1568, 9.5943



10.3640, 12.1883, 29.7818



0.2930, 0.3782, 0.7382

Previews

White Background



This preview shows how the XYZ color 21.8753, 17.9071, 8.4343 looks on a white background.

Color Contrast Check

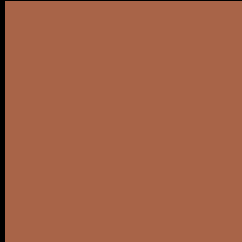
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8753, 17.9071, 8.4343 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.8753, 17.9071, 8.4343

Background



This preview shows how black text looks on a background with the XYZ color 21.8753, 17.9071, 8.4343.



This preview shows how white text looks on a background with the XYZ color 21.8753, 17.9071,

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

21.8753, 17.9071, 8.4343

Protanopia

16.7918, 18.1106, 10.0078

Deuteranopia

18.1960, 17.8577, 8.1181



Tritanopia

23.2086, 17.8911, 15.0621

Trichromacy



Original Color

21.8753, 17.9071, 8.4343

Protanomaly

18.3166, 17.7303, 9.2944

Deuteranomaly

19.4169, 17.8427, 8.2150

Tritanomaly

22.5686, 17.7571, 12.3632

Monochromacy



Original Color

21.8753, 17.9071, 8.4343

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

18.1867, 17.5427, 14.7395

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8753, 17.9071, 8.4343 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(168, 100, 72)` looks like.

```
.text, #text, p{  
    color:rgb(168, 100, 72)  
}
```

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(168, 100, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 100, 72) }
```

Border

The CSS property to change the border of an element to XYZ 21.8753, 17.9071, 8.4343 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(168, 100, 72) }
```


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

```
.border{ border-color:rgb(168, 100, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 100, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 100, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 100, 72);  
box-shadow:4px 4px 4px 4px rgb(168, 100,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8753, 17.9071, 8.4343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 100, 72) }
```

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

```
.background{ background-color: rgb(168,  
100, 72) }
```

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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