

Converting Colors

XYZ(16.6109, 17.6530, 9.0871)

Have a look what the booklet for
XYZ(16.6109, 17.6530, 9.0871)
contains.

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Color

**XYZ(16.6873, 17.7310,
9.0215)**

Conversions

Conversions Part 1

Format	Color
Hex	82744A
RGB	130, 116, 74
RGB Percent	51%, 45%, 29%
CMY	0.4902, 0.5451, 0.7098
CMYK	0.00, 0.11, 0.43, 0.49
HSL	45°, 27%, 40%
HSV	45°, 43%, 51%
XYZ	16.6873, 17.7310, 9.0215
YIQ	115.3980, 21.8260, -10.0940

Conversions

Conversions Part 2

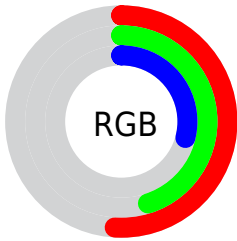
Format	Color
R_{YB}	93, 130, 74
Decimal	8549450
CIE Lab	49.17, -0.92, 25.17
CIE LCh	49, 25.185, 92.099
Yxy	17.7310, 0.3841, 0.4082
Android (android.graphics.Color)	4286739530 (0xFF82744A)
YUV	115.3980, -20.4092, 12.8060
Hunter-Lab	42.1082, -2.9505, 16.7731

Details

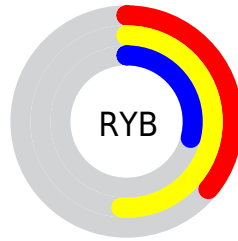
The XYZ color **16.6873, 17.7310, 9.0215** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **10.3429, 10.0466, 22.5130**, and the grayscale version is **16.4725, 17.3303, 18.8727**.

A 20% lighter version of the original color is **37.3449, 39.6257, 24.4191**, and **5.5133, 5.8852, 2.0078** is the 20% darker color. If you saturate the color by 10%, you get **15.9260, 16.8382, 6.8258**, and if you desaturate by 10%, it is **17.5532, 18.6878, 11.6991**.

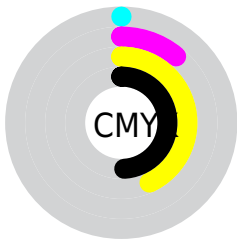
Distribution



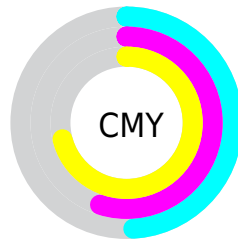
- Red (51%)
- Green (45%)
- Blue (29%)



- Red (36%)
- Yellow (51%)
- Blue (29%)



- Cyan (0%)
- Magenta (11%)
- Yellow (43%)
- Black (49%)



- Cyan (49%)
- Magenta (55%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6873, 17.7310, 9.0215 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 16.6873, 17.7310, 9.0215 by changing the saturation by 10% instead.

■ 16.6873, 17.7310,
9.0215

■ 16.6873, 17.7310,
9.0215

226.5554,
239.3504, 193.7622

■ 10.1057, 10.7570,
4.6582

■ 37.3352, 39.5784,
24.5164

■ 5.5319, 5.9037,
1.9929

■ 52.1323, 55.2207,
36.4850

■ 2.6005, 2.7866,
0.5509

■ 70.3986, 74.5211,
51.8259

■ 0.9462, 1.0214,
0.0000

■ 92.4994, 97.8642,
70.9575

■ 0.0000, 0.0000,
0.0000

■ 118.8001,
125.6343, 94.2984

149.6662,

158.2157, 122.2671

185.4628,
195.9930, 155.2822

■ 16.6873, 17.7310,
9.0215

■ 16.6873, 17.7310,
9.0215

■ 15.9260, 16.8382,
6.8258

■ 17.5532, 18.6878,
11.6991

■ 15.2621, 16.0046,
5.0813

■ 18.5275, 19.7086,
14.8846

■ 14.6897, 15.2281,
3.7553

■ 19.6156, 20.7962,
18.6034

■ 14.2016, 14.5056,
2.8105

■ 20.8221, 21.9528,
22.8790

■ 13.7891, 13.8334,
2.2018

■ 22.1513, 23.1802,
27.7333

■ 13.5276, 13.3893,
1.8714

■ 23.6072, 24.4803,
33.1872

■ 25.1936, 25.8547,
39.2605

■ 26.9144, 27.3053,
45.9720

■ 28.7730, 28.8336,
53.3398

Harmonies

Analogous

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



19.0643, 17.7310, 9.9555



16.6873, 17.7310, 9.0215



14.5569, 17.7310, 10.2644

Triad

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



16.6873, 17.7310, 9.0215



13.2970, 17.7310, 27.0590



21.1847, 17.7310, 26.0406

Complementary

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



16.6873, 17.7310, 9.0215



10.3429, 10.0466, 22.5130

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.



19.3782, 17.7310, 32.5243



16.6873, 17.7310, 9.0215



14.8193, 17.7310, 33.2022

Square

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



16.6873, 17.7310, 9.0215



12.7165, 17.7310, 19.7855



17.0194, 17.7310, 35.4028



21.8008, 17.7310, 18.8344

Rectangle

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



16.6873, 17.7310, 9.0215



13.5230, 17.7310, 12.3787



17.0194, 17.7310, 35.4028



20.6887, 17.7310, 28.4296

Sweetspot

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



16.6877, 17.7318, 9.0219



34.5008, 36.5809, 32.6086



13.4162, 10.3481, 10.5230



7.7233, 8.1956, 7.0834



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



16.6877, 17.7318, 9.0219



28.0343, 29.6381, 11.9853



16.4211, 20.1726, 9.5070



4.5772, 4.8431, 4.6137



12.9765, 12.8494, 1.7963



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.3429, 10.0466, 22.5130



15.2870, 14.2107, 39.1297



10.5027, 8.5842, 22.2223



4.1895, 4.3729, 5.4365



4.3764, 2.5713, 20.5156



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.6873, 17.7310, 9.0215 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 16.6873, 17.7310, 9.0215 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 16.6873, 17.7310, 9.0215

Background



This preview shows how black text looks on a background with the XYZ color 16.6873, 17.7310, 9.0215.



This preview shows how white text looks on a background with the XYZ color 16.6873, 17.7310,

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

16.6873, 17.7310, 9.0215

Protanopia

16.3497, 17.7290, 9.0389

Deuteranopia

18.0487, 17.7591, 9.1332



Tritanopia

18.8974, 17.6347, 19.8606

Trichromacy



Original Color

16.6873, 17.7310, 9.0215

Protanomaly

16.4994, 17.8062, 9.0459

Deuteranomaly

17.4917, 17.6366, 9.1389

Tritanomaly

17.9152, 17.5542, 15.2760

Monochromacy



Original Color

16.6873, 17.7310, 9.0215

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.1767, 17.1746, 14.5190

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6873, 17.7310, 9.0215 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(130, 116, 74)` looks like.

```
.text, #text, p{  
    color:rgb(130, 116, 74)  
}
```

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(130, 116, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 116, 74) }
```

Border

The CSS property to change the border of an element to XYZ 16.6873, 17.7310, 9.0215 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(130, 116, 74) }
```


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

```
.border{ border-color:rgb(130, 116, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 116, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 116, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 116, 74);  
box-shadow:4px 4px 4px 4px rgb(130, 116,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6873, 17.7310, 9.0215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 116, 74) }
```

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

```
.background{ background-color: rgb(130,  
116, 74) }
```

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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