

Converting Colors

XYZ(17.0559, 17.7641, 9.8265)

Have a look what the booklet for
XYZ(17.0559, 17.7641, 9.8265)
contains.

XYZ(17.0216, 17.7171, 9.7303)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(17.0216, 17.7171,
9.7303)**

Conversions

Conversions Part 1

Format	Color
Hex	84734E
RGB	132, 115, 78
RGB Percent	52%, 45%, 31%
CMY	0.4824, 0.5490, 0.6941
CMYK	0.00, 0.13, 0.41, 0.48
HSL	41°, 26%, 41%
HSV	41°, 41%, 52%
XYZ	17.0216, 17.7171, 9.7303
YIQ	115.8650, 22.0090, -7.9030

Conversions

Conversions Part 2

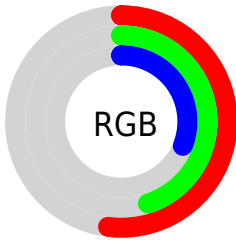
Format	Color
R_{YB}	103, 132, 78
Decimal	8680270
CIE Lab	49.15, 1.01, 22.91
CIE LCh	49, 22.935, 87.480
Yxy	17.7171, 0.3828, 0.3984
Android (android.graphics.Color)	4286870350 (0xFF84734E)
YUV	115.8650, -18.6674, 14.1504
Hunter-Lab	42.0917, -1.4762, 15.7582

Details

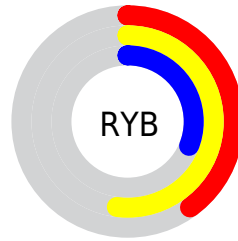
The XYZ color **17.0216, 17.7171, 9.7303** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **11.3988, 11.4696, 23.4428**, and the grayscale version is **16.6101, 17.4752, 19.0304**.

A 20% lighter version of the original color is **37.9647, 39.6350, 26.0714**, and **5.6750, 5.8734, 2.2734** is the 20% darker color. If you saturate the color by 10%, you get **16.1321, 16.6208, 7.3288**, and if you desaturate by 10%, it is **18.0284, 18.8957, 12.6401**.

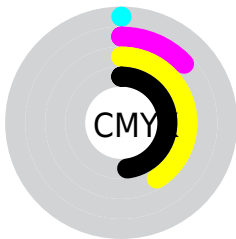
Distribution



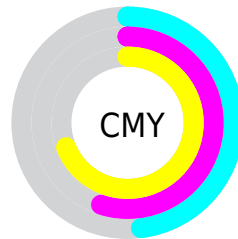
- Red (52%)
- Green (45%)
- Blue (31%)



- Red (40%)
- Yellow (52%)
- Blue (31%)



- Cyan (0%)
- Magenta (13%)
- Yellow (41%)
- Black (48%)



- Cyan (48%)
- Magenta (55%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.0216, 17.7171, 9.7303 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 17.0216, 17.7171, 9.7303 by changing the saturation by 10% instead.

■ 17.0216, 17.7171,
9.7303

■ 17.0216, 17.7171,
9.7303

228.4506,
239.2716, 199.1506

■ 10.3453, 10.7471,
5.1172

■ 37.9062, 39.5547,
25.8868

■ 5.6925, 5.8970,
2.2563

■ 52.8452, 55.1910,
38.2673

■ 2.6979, 2.7826,
0.7066

■ 71.2692, 74.4849,
54.0741

■ 0.9961, 1.0193,
0.0000

■ 93.5435, 97.8208,
73.7257

■ 0.0000, 0.0000,
0.0000

■ 120.0334,
125.5830, 97.6406

151.1043,

158.1559, 126.2373

187.1216,
195.9240, 159.9345

■ 17.0216, 17.7171,
9.7303

■ 17.0216, 17.7171,
9.7303

■ 16.1321, 16.6208,
7.3288

■ 18.0284, 18.8957,
12.6401

■ 15.3525, 15.6017,
5.4042

■ 19.1567, 20.1569,
16.0848

■ 14.6766, 14.6572,
3.9234

■ 20.4120, 21.5039,
20.0903

■ 14.0971, 13.7842,
2.8487

■ 21.7991, 22.9391,
24.6808

■ 13.6053, 12.9785,
2.1359

■ 23.3226, 24.4648,
29.8789

■ 13.2102, 12.2945,
1.6768

■ 24.9868, 26.0830,
35.7059

■ 26.7958, 27.7957,
42.1822

■ 28.7534, 29.6051,
49.3272

■ 30.8635, 31.5128,
57.1597

Harmonies

Analogous

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



19.1564, 17.7171, 10.9443



17.0216, 17.7171, 9.7303



15.0065, 17.7171, 10.5921

Triad

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



17.0216, 17.7171, 9.7303



13.4380, 17.7171, 25.2733



20.5636, 17.7171, 26.3659

Complementary

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



17.0216, 17.7171, 9.7303



11.3988, 11.4696, 23.4428

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.



18.8161, 17.7171, 31.7874



17.0216, 17.7171, 9.7303



14.7175, 17.7171, 31.0683

Square

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



17.0216, 17.7171, 9.7303



13.0448, 17.7171, 18.7761



16.6588, 17.7171, 33.6674



21.3069, 17.7171, 19.8150

Rectangle

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



17.0216, 17.7171, 9.7303



13.9780, 17.7171, 12.3563



16.6588, 17.7171, 33.6674



20.0673, 17.7171, 28.4295

Sweetspot

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



17.0220, 17.7179, 9.7307



35.6416, 37.5476, 34.3702



14.3103, 11.1825, 12.2547



8.2416, 8.6819, 7.8197



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



17.0220, 17.7179, 9.7307



28.5369, 29.4298, 13.2219



17.6666, 21.1974, 10.3683



4.9194, 5.1823, 4.9704



12.7957, 11.9140, 1.6252



0.0509, 0.0544, 0.0078

Inverse Universe

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



11.3988, 11.4696, 23.4428



17.2385, 16.8856, 40.8038



10.9044, 9.1847, 23.0278



4.5453, 4.7662, 5.8812



4.8232, 3.1943, 21.4990



0.0227, 0.0230, 0.0765

Previews

White Background



This preview shows how the XYZ color 17.0216, 17.7171, 9.7303 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 17.0216, 17.7171, 9.7303 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 17.0216, 17.7171, 9.7303

Background



This preview shows how black text looks on a background with the XYZ color 17.0216, 17.7171, 9.7303.



This preview shows how white text looks on a background with the XYZ color 17.0216, 17.7171,

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

17.0216, 17.7171, 9.7303

Protanopia

16.5250, 17.7991, 9.9617

Deuteranopia

18.0207, 17.7283, 9.8692



Tritanopia

18.9993, 17.6941, 19.5535

Trichromacy



Original Color

17.0216, 17.7171, 9.7303

Protanomaly

16.7099, 17.7224, 9.9372

Deuteranomaly

17.6329, 17.6931, 9.8829

Tritanomaly

18.2340, 17.7185, 15.2909

Monochromacy



Original Color

17.0216, 17.7171, 9.7303

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.6697, 17.5877, 15.0865

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.0216, 17.7171, 9.7303 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(132, 115, 78)` looks like.

```
.text, #text, p{  
    color:rgb(132, 115, 78)  
}
```

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(132, 115, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 115, 78) }
```

Border

The CSS property to change the border of an element to XYZ 17.0216, 17.7171, 9.7303 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(132, 115, 78) }
```


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

```
.border{ border-color:rgb(132, 115, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 115, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 115, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 115, 78);  
box-shadow:4px 4px 4px 4px rgb(132, 115,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 17.0216, 17.7171, 9.7303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 115, 78) }
```

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

```
.background{ background-color: rgb(132,  
115, 78) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor