

Converting Colors

XYZ(9.8073, 17.7792, 8.4257)

Have a look what the booklet for
XYZ(9.8073, 17.7792, 8.4257)
contains.

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Color

**XYZ(9.8075, 17.7969,
8.3871)**

Conversions

Conversions Part 1

Format	Color
Hex	088744
RGB	8, 135, 68
RGB Percent	3%, 53%, 27%
CMY	0.9686, 0.4706, 0.7333
CMYK	0.94, 0.00, 0.50, 0.47
HSL	148°, 89%, 28%
HSV	148°, 94%, 53%
XYZ	9.8075, 17.7969, 8.3871
YIQ	89.3890, -54.1850, -47.7610

Conversions

Conversions Part 2

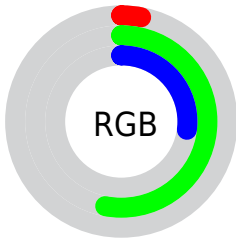
Format	Color
RYB	8, 94, 135
Decimal	558916
CIELab	49.25, -46.73, 27.40
CIELCh	49, 54.168, 149.612
Yxy	17.7969, 0.2725, 0.4945
Android (android.graphics.Color)	4278748996 (0xFF088744)
YUV	89.3890, -10.5448, -71.3782
Hunter-Lab	42.1864, -32.3284, 17.7430

Details

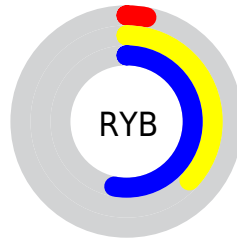
The XYZ color **9.8075, 17.7969, 8.3871** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **11.3491, 5.8329, 7.1853**, and the grayscale version is **9.6137, 10.1144, 11.0146**.

A 20% lighter version of the original color is **24.9758, 39.5185, 23.1411**, and **3.3151, 6.3986, 1.8194** is the 20% darker color. If you saturate the color by 10%, you get **9.5834, 17.6962, 7.7281**, and if you desaturate by 10%, it is **10.2586, 18.0033, 9.6132**.

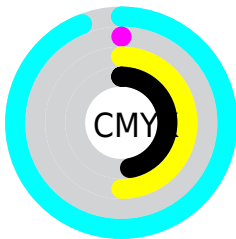
Distribution



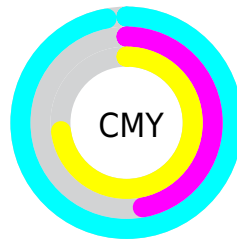
- Red (3%)
- Green (53%)
- Blue (27%)



- Red (3%)
- Yellow (37%)
- Blue (53%)



- Cyan (94%)
- Magenta (0%)
- Yellow (50%)
- Black (47%)





- Cyan (97%)
- Magenta (47%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 9.8075, 17.7969, 8.3871 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 9.8075, 17.7969, 8.3871 by changing the saturation by 10% instead.


 9.8075, 17.7969,
8.3871


 9.8075, 17.7969,
8.3871


183.3751,
239.7238, 188.7840


 5.3328, 10.8043,
4.2523


 25.0858, 39.6909,
23.2725


 2.4806, 5.9354,
1.7648

 36.6200, 55.3611,
34.8601


 0.8855, 2.8058,
0.4046

 51.2382, 74.6927,
49.7692

 0.0000, 1.0312,
0.0000

 69.3057, 98.0699,
68.4181

 0.0000, 0.0000,
0.0000

 91.1877, 125.8772,
91.2256

 117.2497,

158.4990, 118.6100

147.8571,
196.3198, 150.9900

■ 9.8075, 17.7969,
8.3871

■ 9.8075, 17.7969,
8.3871

■ 9.5834, 17.6962,
7.7281

■ 10.2586, 18.0033,
9.6132

■ 10.8900, 18.2990,
10.9900

■ 11.7259, 18.6968,
12.5235

■ 12.7853, 19.2065,
14.2187

■ 14.0848, 19.8366,
16.0806

■ 15.6395, 20.5947,
18.1138

■ 17.4630, 21.4877,
20.3226

■ 19.5681, 22.5223,
22.7115

■ 21.9667, 23.7043,
25.2845

Harmonies

Analogous

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



12.5310, 17.7969, 3.8080



9.8075, 17.7969, 8.3871



8.9033, 17.7969, 19.1890

Triad

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



9.8075, 17.7969, 8.3871



16.8494, 17.7969, 63.0092



26.9149, 17.7969, 8.5763

Complementary

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



9.8075, 17.7969, 8.3871



11.3491, 5.8329, 7.1853

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.



28.6922, 17.7969, 19.5679



9.8075, 17.7969, 8.3871



22.2191, 17.7969, 55.3221

Square

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



9.8075, 17.7969, 8.3871



12.4374, 17.7969, 54.9417



26.8249, 17.7969, 37.2661



22.3568, 17.7969, 3.8724

Rectangle

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



9.8075, 17.7969, 8.3871



9.2780, 17.7969, 30.3735



26.8249, 17.7969, 37.2661



27.8936, 17.7969, 11.4191

Sweetspot

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



9.8079, 17.7976, 8.3875



29.7226, 37.7195, 34.5507



11.6678, 18.8719, 3.2576



6.6018, 8.5976, 7.6568



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



9.8079, 17.7976, 8.3875



17.0816, 31.6575, 13.4188



12.8456, 19.0127, 24.3835



4.7011, 5.2387, 5.4371



8.8435, 16.3202, 7.1612



0.0343, 0.0580, 0.0440

Inverse Universe

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



11.3491, 5.8329, 7.1853



19.8613, 10.0115, 11.2013



10.1468, 5.3520, 0.8538



4.7676, 4.7267, 5.3883



10.2757, 5.1746, 6.0243



0.0393, 0.0194, 0.0403

Previews

White Background



This preview shows how the XYZ color 9.8075, 17.7969, 8.3871 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 9.8075, 17.7969, 8.3871 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 9.8075, 17.7969, 8.3871

Background



This preview shows how black text looks on a background with the XYZ color 9.8075, 17.7969, 8.3871.



This preview shows how white text looks on a background with the XYZ color 9.8075, 17.7969,

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

9.8075, 17.7969, 8.3871

Protanopia

16.1329, 17.6596, 7.1158

Deuteranopia

17.7357, 17.4387, 8.9098



Tritanopia

13.5930, 17.7438, 26.7532

Trichromacy



Original Color

9.8075, 17.7969, 8.3871



Protanomaly

11.7892, 16.6703, 7.4468



Deuteranomaly

12.2998, 16.1761, 8.6049



Tritanomaly

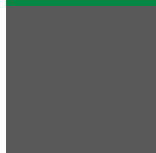
11.6908, 17.5326, 18.3907

Monochromacy



Original Color

9.8075, 17.7969, 8.3871



Achromatopsia

9.4954, 9.9899, 10.8790



Achromatomaly

8.5027, 11.8628, 9.6262

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.8075, 17.7969, 8.3871 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(8, 135, 68)` looks like.

```
.text, #text, p{  
    color:rgb(8, 135, 68)  
}
```

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(8, 135, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 135, 68) }
```

Border

The CSS property to change the border of an element to XYZ 9.8075, 17.7969, 8.3871 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(8, 135, 68) }
```


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

```
.border{ border-color:rgb(8, 135, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(8, 135, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 135, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 135, 68);  
box-shadow:4px 4px 4px 4px rgb(8, 135, 68)  
}
```

Background

The CSS property to change the background color of an element to XYZ 9.8075, 17.7969, 8.3871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 135, 68) }
```

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

```
.background{ background-color: rgb(8, 135,  
68) }
```

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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