

Converting Colors

XYZ(9.7245, 17.7857, 8.3693)

Have a look what the booklet for
XYZ(9.7245, 17.7857, 8.3693)
contains.

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Color

**XYZ(9.7074, 17.7453,
8.3824)**

Conversions

Conversions Part 1

Format	Color
Hex	008744
RGB	0, 135, 68
RGB Percent	0%, 53%, 27%
CMY	1.0000, 0.4706, 0.7333
CMYK	1.00, 0.00, 0.50, 0.47
HSL	150°, 100%, 26%
HSV	150°, 100%, 53%
XYZ	9.7074, 17.7453, 8.3824
YIQ	86.9970, -58.9530, -49.4570

Conversions

Conversions Part 2

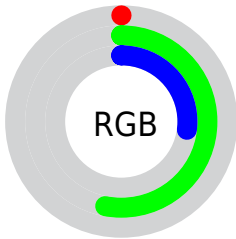
Format	Color
RYB	0, 90, 135
Decimal	34628
CIELab	49.19, -47.26, 27.31
CIELCh	49, 54.578, 149.977
Yxy	17.7453, 0.2709, 0.4952
Android (android.graphics.Color)	4278224708 (0xFF008744)
YUV	86.9970, -9.3655, -76.2964
Hunter-Lab	42.1252, -32.5852, 17.6896

Details

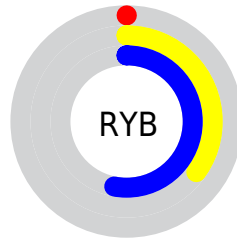
The XYZ color **9.7074, 17.7453, 8.3824** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **11.0055, 5.5566, 5.8041**, and the grayscale version is **9.0879, 9.5611, 10.4121**.

A 20% lighter version of the original color is **24.8018, 39.4289, 23.1330**, and **3.3151, 6.3986, 1.8194** is the 20% darker color. If you saturate the color by 10%, you get **9.7076, 17.7459, 8.3821**, and if you desaturate by 10%, it is **10.0977, 17.9220, 9.5304**.

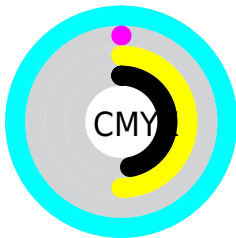
Distribution



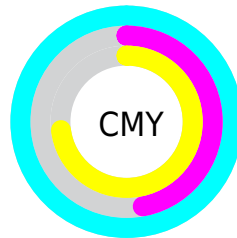
- Red (0%)
- Green (53%)
- Blue (27%)



- Red (0%)
- Yellow (35%)
- Blue (53%)



- Cyan (100%)
- Magenta (0%)
- Yellow (50%)
- Black (47%)





- Cyan (100%)
- Magenta (47%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 9.7074, 17.7453, 8.3824 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 9.7074, 17.7453, 8.3824 by changing the saturation by 10% instead.


 9.7074, 17.7453,
8.3824


 9.7074, 17.7453,
8.3824


182.6684,
239.4315, 188.7465


 5.2662, 10.7673,
4.2493


 24.8984, 39.6028,
23.2632


 2.4406, 5.9106,
1.7631

 36.3788, 55.2512,
34.8480


 0.8654, 2.7908,
0.4034

 50.9364, 74.5584,
49.7538

 0.0000, 1.0235,
0.0000

 68.9364, 97.9088,
68.3991

 0.0000, 0.0000,
0.0000

 90.7443, 125.6870,
91.2025

 116.7253,

158.2772, 118.5825

147.2449,
196.0639, 150.9577

■ 9.7074, 17.7453,
8.3824

■ 9.7074, 17.7453,
8.3824

■ 9.7076, 17.7459,
8.3821

■ 10.0977, 17.9220,
9.5304

■ 10.6169, 18.1619,
10.8100

■ 11.3250, 18.4963,
12.2282

■ 12.2428, 18.9358,
13.7895

■ 13.3879, 19.4895,
15.4981

■ 14.7762, 20.1654,
17.3581

■ 16.4219, 20.9710,
19.3733

■ 18.3384, 21.9128,
21.5475

■ 20.5377, 22.9971,
23.8843

Harmonies

Analogous

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



12.4166, 17.7453, 3.7571



9.7074, 17.7453, 8.3824



8.8232, 17.7453, 19.3103

Triad

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



9.7074, 17.7453, 8.3824



16.8624, 17.7453, 63.3528



26.8932, 17.7453, 8.3936

Complementary

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



9.7074, 17.7453, 8.3824



11.0055, 5.5566, 5.8041

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.



28.7280, 17.7453, 19.3329



9.7074, 17.7453, 8.3824



22.2694, 17.7453, 55.4000

Square

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



9.7074, 17.7453, 8.3824



12.4111, 17.7453, 55.3773



26.8878, 17.7453, 37.1051



22.2776, 17.7453, 3.7609

Rectangle

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



9.7074, 17.7453, 8.3824



9.2128, 17.7453, 30.6222



26.8878, 17.7453, 37.1051



27.8927, 17.7453, 11.2120

Sweetspot

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



9.7078, 17.7460, 8.3828



29.1926, 37.4482, 34.4390



11.0139, 18.5398, 2.9983



6.5001, 8.5449, 7.6629



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.



9.7078, 17.7460, 8.3828



17.3029, 31.7460, 14.5838



13.0377, 19.0780, 25.9178



4.7069, 5.2410, 5.4675



8.9581, 16.3661, 7.7646



0.0347, 0.0582, 0.0463

Inverse Universe

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



11.0055, 5.5566, 5.8041



19.6269, 9.9178, 9.9671



9.9922, 5.1513, 0.4679



4.7618, 4.7244, 5.3578



10.1546, 5.1262, 5.3867



0.0389, 0.0192, 0.0380

Previews

White Background



This preview shows how the XYZ color 9.7074, 17.7453, 8.3824 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 9.7074, 17.7453, 8.3824 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 9.7074, 17.7453, 8.3824

Background



This preview shows how black text looks on a background with the XYZ color 9.7074, 17.7453, 8.3824.



This preview shows how white text looks on a background with the XYZ color 9.7074, 17.7453,

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

9.7074, 17.7453, 8.3824

Protanopia

16.1329, 17.6596, 7.1158

Deuteranopia

17.7357, 17.4387, 8.9098



Tritanopia

13.5930, 17.7438, 26.7532

Trichromacy



Original Color

9.7074, 17.7453, 8.3824



Protanomaly

11.5264, 16.5348, 7.4345



Deuteranomaly

12.0060, 16.0247, 8.5912



Tritanomaly

11.5905, 17.4809, 18.3860

Monochromacy



Original Color

9.7074, 17.7453, 8.3824



Achromatopsia

9.0590, 9.5307, 10.3790



Achromatomaly

7.9738, 11.2920, 9.3487

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.7074, 17.7453, 8.3824 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(0, 135, 68)` looks like.

```
.text, #text, p{  
    color:rgb(0, 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(0, 135, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 135, 68) }
```

Border

The CSS property to change the border of an element to XYZ 9.7074, 17.7453, 8.3824 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(0, 135, 68) }
```


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

```
.border{ border-color:rgb(0, 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(0, 135, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 135, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 135, 68);  
box-shadow:4px 4px 4px 4px rgb(0, 135, 68)  
}
```

Background

The CSS property to change the background color of an element to XYZ 9.7074, 17.7453, 8.3824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 135, 68) }
```

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

```
.background{ background-color: rgb(0, 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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