

Converting Colors

XYZ(9.7360, 17.7524, 8.4221)

Have a look what the booklet for
XYZ(9.7360, 17.7524, 8.4221)
contains.

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Color

**XYZ(9.7324, 17.7582,
8.3836)**

Conversions

Conversions Part 1

Format	Color
Hex	028744
RGB	2, 135, 68
RGB Percent	1%, 53%, 27%
CMY	0.9921, 0.4706, 0.7333
CMYK	0.99, 0.00, 0.50, 0.47
HSL	150°, 97%, 27%
HSV	150°, 99%, 53%
XYZ	9.7324, 17.7582, 8.3836
YIQ	87.5950, -57.7610, -49.0330

Conversions

Conversions Part 2

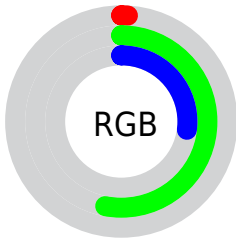
Format	Color
RYB	2, 91, 135
Decimal	165700
CIELab	49.20, -47.12, 27.33
CIELCh	49, 54.475, 149.886
Yxy	17.7582, 0.2713, 0.4950
Android (android.graphics.Color)	4278355780 (0xFF028744)
YUV	87.5950, -9.6603, -75.0668
Hunter-Lab	42.1405, -32.5210, 17.7029

Details

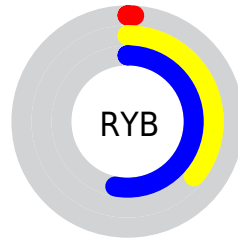
The XYZ color **9.7324, 17.7582, 8.3836** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **11.0881, 5.6243, 6.1322**, and the grayscale version is **9.2175, 9.6976, 10.5606**.

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 **9.6772, 17.7338, 8.2219**, and if you desaturate by 10%, it is **10.1329, 17.9398, 9.5500**.

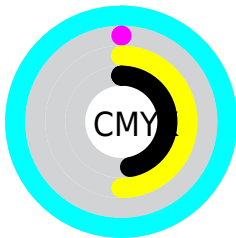
Distribution



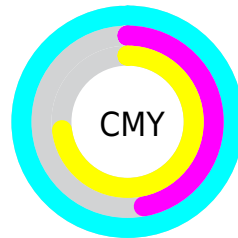
- Red (1%)
- Green (53%)
- Blue (27%)



- Red (1%)
- Yellow (36%)
- Blue (53%)



- Cyan (99%)
- Magenta (0%)
- Yellow (50%)
- Black (47%)



- Cyan (99%)
- Magenta (47%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.7324, 17.7582, 8.3836 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 9.7324, 17.7582, 8.3836 by changing the saturation by 10% instead.

■ 9.7324, 17.7582,
8.3836

■ 9.7324, 17.7582,
8.3836

182.8452,
239.5046, 188.7561

■ 5.2828, 10.7765,
4.2501

■ 24.9452, 39.6249,
23.2656

■ 2.4506, 5.9168,
1.7635

■ 36.4391, 55.2787,
34.8511

■ 0.8704, 2.7945,
0.4037

■ 51.0119, 74.5919,
49.7577

■ 0.0000, 1.0254,
0.0000

■ 69.0288, 97.9491,
68.4040

■ 0.0000, 0.0000,
0.0000

■ 90.8552, 125.7346,
91.2084

■ 116.8565,

158.3327, 118.5895

147.3980,
196.1279, 150.9659

■ 9.7324, 17.7582,
8.3836

■ 9.7324, 17.7582,
8.3836

■ 9.6772, 17.7338,
8.2219

■ 10.1329, 17.9398,
9.5500

■ 10.6791, 18.1931,
10.8526

■ 11.4182, 18.5429,
12.2981

■ 12.3704, 18.9995,
13.8909

■ 13.5532, 19.5718,
15.6356

■ 14.9821, 20.2679,
17.5364

■ 16.6713, 21.0948,
19.5971

■ 18.6339, 22.0594,
21.8217

■ 20.8819, 23.1676,
24.2138

Harmonies

Analogous

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



12.4452, 17.7582, 3.7698



9.7324, 17.7582, 8.3836



8.8432, 17.7582, 19.2799

Triad

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



9.7324, 17.7582, 8.3836



16.8592, 17.7582, 63.2665



26.8986, 17.7582, 8.4391

Complementary

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



9.7324, 17.7582, 8.3836



11.0881, 5.6243, 6.1322

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.



28.7190, 17.7582, 19.3915



9.7324, 17.7582, 8.3836



22.2568, 17.7582, 55.3804

Square

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



9.7324, 17.7582, 8.3836



12.4177, 17.7582, 55.2679



26.8720, 17.7582, 37.1453



22.2974, 17.7582, 3.7886

Rectangle

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



9.7324, 17.7582, 8.3836



9.2291, 17.7582, 30.5598



26.8720, 17.7582, 37.1453



27.8929, 17.7582, 11.2636

Sweetspot

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



9.7328, 17.7589, 8.3840



29.1610, 37.4356, 34.2729



11.2533, 18.6620, 3.0666



6.4921, 8.5417, 7.6210



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.



9.7328, 17.7589, 8.3840



17.2486, 31.7243, 14.2980



12.9082, 19.0291, 25.1054



4.7055, 5.2404, 5.4603



8.9300, 16.3549, 7.6168



0.0346, 0.0581, 0.0457

Inverse Universe

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



11.0881, 5.6243, 6.1322



19.6812, 9.9395, 10.2530



10.0369, 5.2039, 0.5967



4.7631, 4.7249, 5.3651



10.1827, 5.1374, 5.5346



0.0390, 0.0193, 0.0386

Previews

White Background



This preview shows how the XYZ color 9.7324, 17.7582, 8.3836 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 9.7324, 17.7582, 8.3836 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 9.7324, 17.7582, 8.3836

Background



This preview shows how black text looks on a background with the XYZ color 9.7324, 17.7582, 8.3836.



This preview shows how white text looks on a background with the XYZ color 9.7324, 17.7582,

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

9.7324, 17.7582, 8.3836

Protanopia

16.1329, 17.6596, 7.1158

Deuteranopia

17.7357, 17.4387, 8.9098



Tritanopia

13.5930, 17.7438, 26.7532

Trichromacy



Original Color

9.7324, 17.7582, 8.3836



Protanomaly

11.6127, 16.5793, 7.4386



Deuteranomaly

12.1026, 16.0745, 8.5957



Tritanomaly

11.6230, 17.4976, 18.3876

Monochromacy



Original Color

9.7324, 17.7582, 8.3836



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

8.2241, 11.5671, 9.5838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.7324, 17.7582, 8.3836 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(2, 135, 68)` looks like.

```
.text, #text, p{  
    color:rgb(2, 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(2, 135, 68) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 9.7324, 17.7582, 8.3836 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(2, 135, 68) }
```


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

```
.border{ border-color:rgb(2, 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(2, 135, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 135, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 135, 68);  
box-shadow:4px 4px 4px 4px rgb(2, 135, 68)  
}
```

Background

The CSS property to change the background color of an element to XYZ 9.7324, 17.7582, 8.3836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 135, 68) }
```

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

```
.background{ background-color: rgb(2, 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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