

Converting Colors

XYZ(9.8893, 17.2883, 10.9736)

Have a look what the booklet for
XYZ(9.8893, 17.2883, 10.9736)
contains.

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Color

**XYZ(9.9489, 17.3996,
11.0177)**

Conversions

Conversions Part 1

Format	Color
Hex	008553
RGB	0, 133, 83
RGB Percent	0%, 52%, 33%
CMY	1.0000, 0.4784, 0.6745
CMYK	1.00, 0.00, 0.38, 0.48
HSL	157°, 100%, 26%
HSV	157°, 100%, 52%
XYZ	9.9489, 17.3996, 11.0177
YIQ	87.5330, -63.2180, -43.7460

Conversions

Conversions Part 2

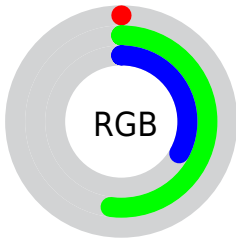
Format	Color
RYB	0, 82, 133
Decimal	34131
CIELab	48.76, -43.50, 18.46
CIELCh	49, 47.250, 157.007
Yxy	17.3996, 0.2593, 0.4535
Android (android.graphics.Color)	4278224211 (0xFF008553)
YUV	87.5330, -2.2348, -76.7664
Hunter-Lab	41.7128, -30.4235, 13.5386

Details

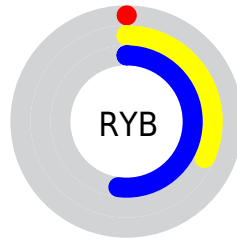
The XYZ color **9.9489, 17.3996, 11.0177** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **10.2493, 5.2173, 3.4857**, and the grayscale version is **9.1896, 9.6682, 10.5287**.

A 20% lighter version of the original color is **25.3122, 38.9396, 28.3723**, and **3.3512, 6.1682, 2.7642** is the 20% darker color. If you saturate the color by 10%, you get **9.9491, 17.4002, 11.0173**, and if you desaturate by 10%, it is **10.3200, 17.5682, 12.0800**.

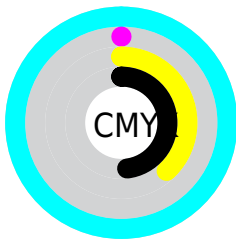
Distribution



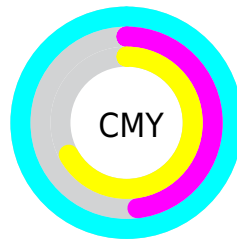
- Red (0%)
- Green (52%)
- Blue (33%)



- Red (0%)
- Yellow (32%)
- Blue (52%)



- Cyan (100%)
- Magenta (0%)
- Yellow (38%)
- Black (48%)





- Cyan (100%)
- Magenta (48%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 9.9489, 17.3996, 11.0177 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 9.9489, 17.3996, 11.0177 by changing the saturation by 10% instead.


 9.9489, 17.3996,
11.0177


 9.9489, 17.3996,
11.0177


184.3682,
237.4647, 208.5307


 5.4271, 10.5198,
5.9644


 25.3499, 39.0116,
28.3300


 2.5373, 5.7449,
2.7550

 36.9598, 54.5125,
41.4262


 0.9141, 2.6906,
0.9709

 51.6631, 73.6560,
58.0404

 0.0000, 0.9724,
0.0000

 69.8252, 96.8263,
78.5911

 0.0000, 0.0000,
0.0000

 91.8114, 124.4080,
103.4970

 117.9870,

156.7854, 133.1765

148.7175,
194.3428, 168.0483

■ 9.9489, 17.3996,
11.0177

■ 9.9489, 17.3996,
11.0177

■ 9.9491, 17.4002,
11.0173

■ 10.3200, 17.5682,
12.0800

■ 10.8055, 17.7938,
13.2215

■ 11.4642, 18.1069,
14.4467

■ 12.3155, 18.5176,
15.7580

■ 13.3762, 19.0346,
17.1574

■ 14.6611, 19.6653,
18.6471

■ 16.1837, 20.4168,
20.2289

■ 17.9563, 21.2953,
21.9046

■ 19.9904, 22.3069,
23.6761

Harmonies

Analogous

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



11.9803, 17.3996, 5.4980



9.9489, 17.3996, 11.0177



9.5243, 17.3996, 22.0336

Triad

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



9.9489, 17.3996, 11.0177



17.5837, 17.3996, 54.2480



24.1916, 17.3996, 7.8425

Complementary

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



9.9489, 17.3996, 11.0177



10.2493, 5.2173, 3.4857

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.



26.3521, 17.3996, 16.1598



9.9489, 17.3996, 11.0177



22.1254, 17.3996, 45.3737

Square

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



9.9489, 17.3996, 11.0177



13.4695, 17.3996, 50.8316



25.5361, 17.3996, 29.9787



20.0399, 17.3996, 4.3095

Rectangle

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



9.9489, 17.3996, 11.0177



10.1272, 17.3996, 32.1006



25.5361, 17.3996, 29.9787



25.2053, 17.3996, 9.9876

Sweetspot

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



9.9494, 17.4003, 11.0181



28.7785, 36.4611, 36.0238



9.7527, 17.4793, 2.8601



6.2552, 8.1015, 7.8844



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.



9.9494, 17.4003, 11.0181



17.7382, 31.1279, 19.3186



10.6520, 14.5298, 24.4342



4.7293, 5.2500, 5.5859



9.4803, 16.5750, 10.5148



0.0364, 0.0588, 0.0551

Inverse Universe

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



10.2493, 5.2173, 3.4857



18.2819, 9.3138, 5.8646



9.8516, 5.3434, 0.5124



4.7396, 4.7155, 5.2413



9.7658, 4.9706, 3.3388



0.0372, 0.0186, 0.0292

Previews

White Background



This preview shows how the XYZ color 9.9489, 17.3996, 11.0177 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 9.9489, 17.3996, 11.0177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 9.9489, 17.3996, 11.0177

Background



This preview shows how black text looks on a background with the XYZ color 9.9489, 17.3996, 11.0177.



This preview shows how white text looks on a background with the XYZ color 9.9489, 17.3996,

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

9.9489, 17.3996, 11.0177

Protanopia

15.8927, 17.1432, 9.3088

Deuteranopia

17.5992, 17.3077, 11.6457



Tritanopia

13.2770, 17.5892, 26.3622

Trichromacy



Original Color

9.9489, 17.3996, 11.0177



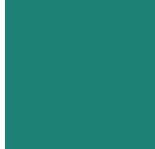
Protanomaly

11.6791, 16.1891, 9.9064



Deuteranomaly

12.2070, 15.8918, 11.2281



Tritanomaly

11.5966, 17.2609, 19.5501

Monochromacy



Original Color

9.9489, 17.3996, 11.0177



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

8.2609, 11.4133, 10.5717

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.9489, 17.3996, 11.0177 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, 133, 83)` looks like.

```
.text, #text, p{  
    color:rgb(0, 133, 83)  
}
```

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, 133, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 133, 83) }
```

Border

The CSS property to change the border of an element to XYZ 9.9489, 17.3996, 11.0177 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, 133, 83) }
```


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

```
.border{ border-color:rgb(0, 133, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 133, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 133, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 133, 83);  
box-shadow:4px 4px 4px 4px rgb(0, 133, 83)  
}
```

Background

The CSS property to change the background color of an element to XYZ 9.9489, 17.3996, 11.0177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 133, 83) }
```

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

```
.background{ background-color: rgb(0, 133,  
83) }
```

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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