

Converting Colors

XYZ(8.4381, 17.4836, 9.5047)

Have a look what the booklet for
XYZ(8.4381, 17.4836, 9.5047)
contains.

XYZ(10.2157, 18.3993, 9.6696)	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(10.2157, 18.3993,
9.6696)**

Conversions

Conversions Part 1

Format	Color
Hex	00894B
RGB	0, 137, 75
RGB Percent	0%, 54%, 29%
CMY	1.0000, 0.4627, 0.7059
CMYK	1.00, 0.00, 0.45, 0.46
HSL	153°, 100%, 27%
HSV	153°, 100%, 54%
XYZ	10.2157, 18.3993, 9.6696
YIQ	88.9690, -61.7500, -48.3260

Conversions

Conversions Part 2

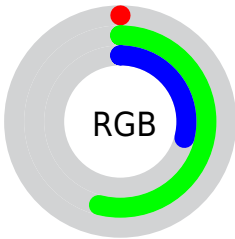
Format	Color
RYB	0, 89, 137
Decimal	35147
CIELab	49.98, -46.66, 24.52
CIELCh	50, 52.708, 152.273
Yxy	18.3993, 0.2668, 0.4806
Android (android.graphics.Color)	4278225227 (0xFF00894B)
YUV	88.9690, -6.8867, -78.0258
Hunter-Lab	42.8944, -32.5538, 16.6605

Details

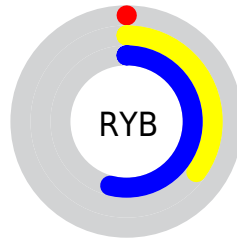
The XYZ color **10.2157, 18.3993, 9.6696** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **11.1868, 5.6667, 5.0632**, and the grayscale version is **9.5141, 10.0096, 10.9005**.

A 20% lighter version of the original color is **25.7258, 40.4916, 25.8618**, and **3.5496, 6.7443, 2.2771** is the 20% darker color. If you saturate the color by 10%, you get **10.2159, 18.3999, 9.6691**, and if you desaturate by 10%, it is **10.6154, 18.5801, 10.8512**.

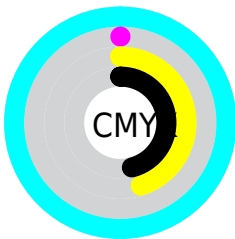
Distribution



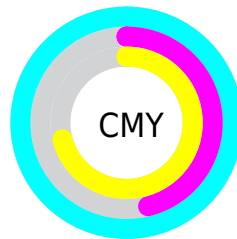
- Red (0%)
- Green (54%)
- Blue (29%)



- Red (0%)
- Yellow (35%)
- Blue (54%)



- Cyan (100%)
- Magenta (0%)
- Yellow (45%)
- Black (46%)





- Cyan (100%)
- Magenta (46%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.2157, 18.3993, 9.6696 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 10.2157, 18.3993, 9.6696 by changing the saturation by 10% instead.


 10.2157, 18.3993,
9.6696


 10.2157, 18.3993,
9.6696


186.2263,
243.1122, 198.6958


 5.6056, 11.2370,
5.0777


 25.8464, 40.7166,
25.7702


 2.6451, 6.2265,
2.2334

 37.5978, 56.6403,
38.1160


 0.9690, 2.9833,
0.6935

 52.4602, 76.2534,
53.8835

 0.0000, 1.1230,
0.0000

 70.7991, 99.9402,
73.4913

 0.0000, 0.0000,
0.0000

 92.9798, 128.0851,
97.3579

 119.3676,

161.0724, 125.9018

150.3280,
199.2867, 159.5416

■ 10.2157, 18.3993,
9.6696

■ 10.2157, 18.3993,
9.6696

■ 10.2159, 18.3999,
9.6691

■ 10.6154, 18.5801,
10.8512

■ 11.1457, 18.8253,
12.1496

■ 11.8675, 19.1667,
13.5706

■ 12.8020, 19.6152,
15.1182

■ 13.9675, 20.1801,
16.7959

■ 15.3802, 20.8697,
18.6068

■ 17.0548, 21.6917,
20.5542

■ 19.0048, 22.6528,
22.6411

■ 21.2428, 23.7595,
24.8705

Harmonies

Analogous

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



12.7929, 18.3993, 4.5078



10.2157, 18.3993, 9.6696



9.4602, 18.3993, 21.1585

Triad

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



10.2157, 18.3993, 9.6696



17.8764, 18.3993, 62.7309



27.0652, 18.3993, 8.5397

Complementary

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



10.2157, 18.3993, 9.6696



11.1868, 5.6667, 5.0632

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.



29.1144, 18.3993, 18.9495



10.2157, 18.3993, 9.6696



23.2107, 18.3993, 54.0087

Square

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



10.2157, 18.3993, 9.6696



13.3428, 18.3993, 56.1762



27.5844, 18.3993, 35.9842



22.4134, 18.3993, 4.1115

Rectangle

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



10.2157, 18.3993, 9.6696



9.9449, 18.3993, 32.5506



27.5844, 18.3993, 35.9842



28.1177, 18.3993, 11.2240

Sweetspot

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



10.2162, 18.4000, 9.6700



30.3250, 38.7382, 36.5662



11.0565, 18.9800, 3.0811



6.5474, 8.5638, 7.9123



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.



10.2162, 18.4000, 9.6700



18.2111, 32.9166, 16.8781



12.8261, 18.4273, 26.5485



5.0789, 5.6510, 5.9363



9.5218, 17.1413, 9.0385



0.0707, 0.1168, 0.0990

Inverse Universe

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



11.1868, 5.6667, 5.0632



19.9523, 10.1151, 8.6436



10.3666, 5.4179, 0.4997



5.1208, 5.0838, 5.7247



10.4258, 5.2804, 4.7465



0.0765, 0.0380, 0.0696

Previews

White Background



This preview shows how the XYZ color 10.2157, 18.3993, 9.6696 looks on a white 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

Black Background



This preview shows how the XYZ color 10.2157, 18.3993, 9.6696 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 10.2157, 18.3993, 9.6696

Background



This preview shows how black text looks on a background with the XYZ color 10.2157, 18.3993, 9.6696.



This preview shows how white text looks on a background with the XYZ color 10.2157, 18.3993,

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

10.2157, 18.3993, 9.6696

Protanopia

16.7277, 18.1200, 8.0847

Deuteranopia

18.5457, 18.1551, 10.3114



Tritanopia

14.0815, 18.5625, 27.6517

Trichromacy



Original Color

10.2157, 18.3993, 9.6696

Protanomaly

12.0382, 16.9612, 8.6006

Deuteranomaly

12.5873, 16.6572, 9.9489

Tritanomaly

12.1356, 18.3431, 19.4240

Monochromacy



Original Color

10.2157, 18.3993, 9.6696

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

8.4416, 11.8180, 10.2237

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2157, 18.3993, 9.6696 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, 137, 75)` looks like.

```
.text, #text, p{  
    color:rgb(0, 137, 75)  
}
```

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, 137, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 137, 75) }
```

Border

The CSS property to change the border of an element to XYZ 10.2157, 18.3993, 9.6696 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, 137, 75) }
```


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

```
.border{ border-color:rgb(0, 137, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 137, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 137, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 137, 75);  
box-shadow:4px 4px 4px 4px rgb(0, 137, 75)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.2157, 18.3993, 9.6696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 137, 75) }
```

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

```
.background{ background-color: rgb(0, 137,  
75) }
```

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