

Converting Colors

XYZ(10.3987, 18.4735, 9.5826)

Have a look what the booklet for
XYZ(10.3987, 18.4735, 9.5826)
contains.

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Color

**XYZ(10.3954, 18.4959,
9.5007)**

Conversions

Conversions Part 1

Format	Color
Hex	10894A
RGB	16, 137, 74
RGB Percent	6%, 54%, 29%
CMY	0.9372, 0.4627, 0.7098
CMYK	0.88, 0.00, 0.46, 0.46
HSL	149°, 79%, 30%
HSV	149°, 88%, 54%
XYZ	10.3954, 18.4959, 9.5007
YIQ	93.6390, -51.8930, -45.2450

Conversions

Conversions Part 2

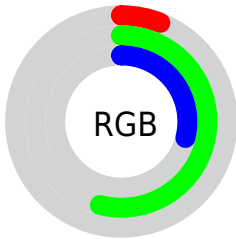
Format	Color
RYB	16, 98, 137
Decimal	1083722
CIELab	50.09, -45.77, 25.24
CIELCh	50, 52.267, 151.119
Yxy	18.4959, 0.2708, 0.4818
Android (android.graphics.Color)	4279273802 (0xFF10894A)
YUV	93.6390, -9.6820, -68.0894
Hunter-Lab	43.0069, -32.1159, 17.0070

Details

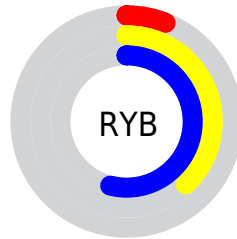
The XYZ color **10.3954, 18.4959, 9.5007** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **11.9138, 6.2539, 7.9776**, and the grayscale version is **10.5857, 11.1369, 12.1281**.

A 20% lighter version of the original color is **26.1066, 40.6953, 25.5478**, and **3.5374, 6.7394, 2.2130** is the 20% darker color. If you saturate the color by 10%, you get **9.9840, 18.3105, 8.2975**, and if you desaturate by 10%, it is **10.9632, 18.7597, 10.8543**.

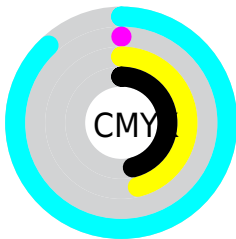
Distribution



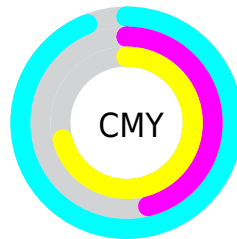
- Red (6%)
- Green (54%)
- Blue (29%)



- Red (6%)
- Yellow (38%)
- Blue (54%)



- Cyan (88%)
- Magenta (0%)
- Yellow (46%)
- Black (46%)





- Cyan (94%)
- Magenta (46%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.3954, 18.4959, 9.5007 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 10.3954, 18.4959, 9.5007 by changing the saturation by 10% instead.


 10.3954, 18.4959,
9.5007


 10.3954, 18.4959,
9.5007


187.4665,
243.6515, 197.4239


 5.7262, 11.3066,
4.9679


 26.1796, 40.8805,
25.4450


 2.7184, 6.2735,
2.1701


 38.0252, 56.8447,
37.6936


 1.0066, 3.0121,
0.6570

 52.9937, 76.5025,
53.3513

 0.0000, 1.1380,
0.0000

 71.4505, 100.2385,
72.8365

 0.0000, 0.0102,
0.0000

 93.7607, 128.4370,
96.5678

 0.0000, 0.0000,
0.0000

 120.2900,

161.4824, 124.9638

151.4034,
199.7591, 158.4430

■ 10.3954, 18.4959,
9.5007

■ 10.3954, 18.4959,
9.5007

■ 9.9840, 18.3105,
8.2975

■ 10.9632, 18.7597,
10.8543

■ 9.9196, 18.2814,
8.1089

■ 11.7320, 19.1235,
12.3638

■ 12.7233, 19.5985,
14.0348

■ 13.9553, 20.1943,
15.8724

■ 15.4442, 20.9189,
17.8813

■ 17.2047, 21.7799,
20.0659

■ 19.2503, 22.7843,
22.4307

■ 21.5939, 23.9384,
24.9798

■ 24.2471, 25.2484,
27.7173

Harmonies

Analogous

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



13.0382, 18.4959, 4.5114



10.3954, 18.4959, 9.5007



9.5716, 18.4959, 20.6851

Triad

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



10.3954, 18.4959, 9.5007



17.7695, 18.4959, 62.4932



27.2326, 18.4959, 8.9437

Complementary

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



10.3954, 18.4959, 9.5007



11.9138, 6.2539, 7.9776

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.



29.1371, 18.4959, 19.6024



10.3954, 18.4959, 9.5007



23.0698, 18.4959, 54.3974

Square

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



10.3954, 18.4959, 9.5007



13.3083, 18.4959, 55.4541



27.4865, 18.4959, 36.7072



22.6796, 18.4959, 4.3147

Rectangle

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



10.3954, 18.4959, 9.5007



10.0103, 18.4959, 31.8648



27.4865, 18.4959, 36.7072



28.2389, 18.4959, 11.7133

Sweetspot

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



10.3959, 18.4966, 9.5011



31.4106, 39.2972, 36.6480



12.3934, 19.6584, 3.6317



6.8184, 8.7030, 7.9491



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.



10.3959, 18.4966, 9.5011



17.6820, 32.7049, 14.0918



13.3913, 19.6948, 25.2748



5.0652, 5.6455, 5.8641



9.2457, 17.0309, 7.5847



0.0687, 0.1161, 0.0890

Inverse Universe

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



11.9138, 6.2539, 7.9776



20.4483, 10.3135, 11.2554



10.6289, 5.7400, 1.2114



5.1345, 5.0892, 5.7967



10.6853, 5.3842, 6.1132



0.0784, 0.0387, 0.0796

Previews

White Background



This preview shows how the XYZ color 10.3954, 18.4959, 9.5007 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 10.3954, 18.4959, 9.5007 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 10.3954, 18.4959, 9.5007

Background



This preview shows how black text looks on a background with the XYZ color 10.3954, 18.4959, 9.5007.



This preview shows how white text looks on a background with the XYZ color 10.3954, 18.4959,

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

10.3954, 18.4959, 9.5007

Protanopia

16.8159, 18.3447, 7.9648

Deuteranopia

18.5084, 18.1402, 10.1153



Tritanopia

14.1845, 18.6156, 27.6565

Trichromacy



Original Color

10.3954, 18.4959, 9.5007



Protanomaly

12.6862, 17.4878, 8.5012



Deuteranomaly

13.1586, 16.9559, 9.7870



Tritanomaly

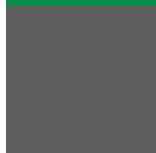
12.4150, 18.4871, 19.4370

Monochromacy



Original Color

10.3954, 18.4959, 9.5007



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

9.5430, 12.9982, 11.0228

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.3954, 18.4959, 9.5007 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(16, 137, 74)` looks like.

```
.text, #text, p{  
    color:rgb(16, 137, 74)  
}
```

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(16, 137, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 137, 74) }
```

Border

The CSS property to change the border of an element to XYZ 10.3954, 18.4959, 9.5007 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(16, 137, 74) }
```


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

```
.border{ border-color:rgb(16, 137, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 137, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 137, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 137, 74);  
box-shadow:4px 4px 4px 4px rgb(16, 137,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 10.3954, 18.4959, 9.5007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 137, 74) }
```

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

```
.background{ background-color: rgb(16, 137,  
74) }
```

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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