

Converting Colors

XYZ(11.9430, 16.9079, 19.3878)

Have a look what the booklet for
XYZ(11.9430, 16.9079, 19.3878)
contains.

XYZ(11.9384, 16.8590, 19.4545)	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(11.9384, 16.8590,
19.4545)**

Conversions

Conversions Part 1

Format	Color
Hex	317E75
RGB	49, 126, 117
RGB Percent	19%, 49%, 46%
CMY	0.8078, 0.5059, 0.5412
CMYK	0.61, 0.00, 0.07, 0.51
HSL	173°, 44%, 34%
HSV	173°, 61%, 49%
XYZ	11.9384, 16.8590, 19.4545
YIQ	101.9510, -43.0030, -19.1230

Conversions

Conversions Part 2

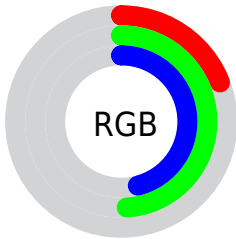
Format	Color
RYB	49, 90, 126
Decimal	3243637
CIELab	48.08, -25.81, -2.16
CIELCh	48, 25.902, 184.784
Yxy	16.8590, 0.2474, 0.3494
Android (android.graphics.Color)	4281433717 (0xFF317E75)
YUV	101.9510, 7.4192, -46.4380
Hunter-Lab	41.0597, -19.9544, 0.6496

Details

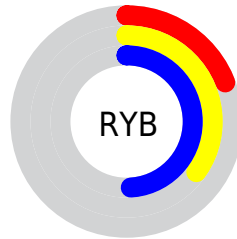
The XYZ color **11.9384, 16.8590, 19.4545** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **10.4668, 6.9383, 4.7913**, and the grayscale version is **12.6063, 13.2628, 14.4432**.

A 20% lighter version of the original color is **28.9905, 38.0478, 43.3521**, and **3.6586, 5.5986, 6.5180** is the 20% darker color. If you saturate the color by 10%, you get **11.3278, 16.5546, 18.9777**, and if you desaturate by 10%, it is **12.7213, 17.2529, 19.9472**.

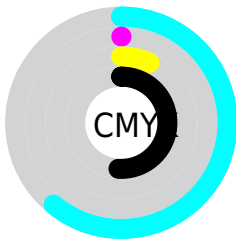
Distribution



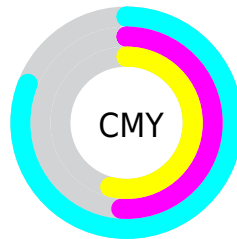
- Red (19%)
- Green (49%)
- Blue (46%)



- Red (19%)
- Yellow (35%)
- Blue (49%)



- Cyan (61%)
- Magenta (0%)
- Yellow (7%)
- Black (51%)



- Cyan (81%)
- Magenta (51%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9384, 16.8590, 19.4545 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 11.9384, 16.8590, 19.4545 by changing the saturation by 10% instead.

■ 11.9384, 16.8590,
19.4545

■ 11.9384, 16.8590,
19.4545

197.7753,
234.3585, 261.4523

■ 6.7736, 10.1340,
11.8190

■ 29.0007, 38.0832,
43.3476

■ 3.3660, 5.4879,
6.4995

■ 41.6289, 53.3512,
60.4423

■ 1.3501, 2.5363,
3.0775

■ 57.4757, 72.2356,
81.5271

■ 0.2203, 0.8947,
1.1343

■ 76.9064, 95.1209,
107.0206

■ 0.0000, 0.0000,
0.0000

■ 100.2864,
122.3915, 137.3413

■ 127.9809,

154.4317, 172.9078

160.3555,
191.6259, 214.1387

■ 11.9384, 16.8590,
19.4545

■ 11.9384, 16.8590,
19.4545

■ 11.3278, 16.5546,
18.9777

■ 12.7213, 17.2529,
19.9472

■ 10.8735, 16.3301,
18.5149

■ 13.6879, 17.7410,
20.4553

■ 10.5590, 16.1776,
18.0658

■ 14.8504, 18.3299,
20.9797

■ 10.3454, 16.0759,
17.6753

■ 16.2196, 19.0251,
21.5211

■ 17.8052, 19.8318,
22.0798

■ 19.6166, 20.7548,
22.6563

■ 21.6626, 21.7984,
23.2511

■ 23.9513, 22.9671,
23.8646

■ 26.4907, 24.2648,
24.4972

Harmonies

Analogous

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



12.2818, 16.8590, 13.3873



11.9384, 16.8590, 19.4545



12.5993, 16.8590, 26.7508

Triad

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



11.9384, 16.8590, 19.4545



18.7358, 16.8590, 31.1329



18.0223, 16.8590, 8.9785

Complementary

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



11.9384, 16.8590, 19.4545



10.4668, 6.9383, 4.7913

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.



20.0189, 16.8590, 11.9325



11.9384, 16.8590, 19.4545



20.4582, 16.8590, 24.4246

Square

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



11.9384, 16.8590, 19.4545



16.4029, 16.8590, 34.4620



20.9492, 16.8590, 17.3008



15.6509, 16.8590, 8.2626

Rectangle

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



11.9384, 16.8590, 19.4545



13.5624, 16.8590, 31.0536



20.9492, 16.8590, 17.3008



18.7667, 16.8590, 9.7001

Sweetspot

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



11.9389, 16.8597, 19.4549



29.2609, 33.8492, 38.1418



9.8353, 16.0821, 5.4920



6.5084, 7.6245, 8.6218



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



11.9389, 16.8597, 19.4549



19.6208, 28.9810, 33.1079



9.3790, 10.8518, 21.3396



4.4255, 4.8785, 5.4117



10.6120, 16.4914, 18.1274



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.4668, 6.9383, 4.7913



16.8118, 9.9192, 5.0303



11.8294, 9.9985, 4.2127



4.3467, 4.3518, 4.6299



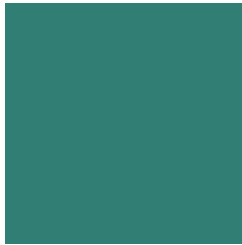
8.9126, 4.5847, 0.8636



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 11.9384, 16.8590, 19.4545 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 11.9384, 16.8590, 19.4545 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 11.9384, 16.8590, 19.4545

Background



This preview shows how black text looks on a background with the XYZ color 11.9384, 16.8590, 19.4545.

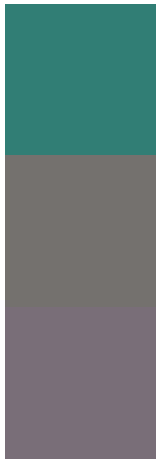


This preview shows how white text looks on a background with the XYZ color 11.9384, 16.8590,

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

11.9384, 16.8590, 19.4545

Protanopia

15.9221, 16.6490, 17.1263

Deuteranopia

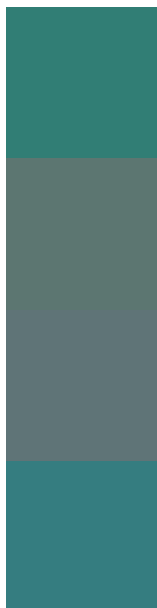
16.8513, 16.5729, 20.0800



Tritanopia

13.1416, 16.9773, 25.1386

Trichromacy



Original Color

11.9384, 16.8590, 19.4545

Protanomaly

13.8727, 16.4244, 18.0618

Deuteranomaly

14.2945, 16.2556, 19.8370

Tritanomaly

12.6981, 16.9826, 23.0308

Monochromacy



Original Color

11.9384, 16.8590, 19.4545

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

11.9056, 14.2694, 16.0367

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9384, 16.8590, 19.4545 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(49, 126, 117)` looks like.

```
.text, #text, p{  
    color:rgb(49, 126, 117)  
}
```

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(49, 126, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 126, 117) }
```

Border

The CSS property to change the border of an element to XYZ 11.9384, 16.8590, 19.4545 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(49, 126, 117) }
```


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

```
.border{ border-color:rgb(49, 126, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 126, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 126, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 126, 117);  
box-shadow:4px 4px 4px 4px rgb(49, 126,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9384, 16.8590, 19.4545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 126, 117) }
```

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

```
.background{ background-color: rgb(49, 126,  
117) }
```

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