

# Converting Colors

XYZ(19.3680, 27.3637, 25.7231)

Have a look what the booklet for  
XYZ(19.3680, 27.3637, 25.7231)  
contains.

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# Color

**XYZ(19.3782, 27.4149,  
25.7430)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4F9D83
RGB	79, 157, 131
RGB Percent	31%, 62%, 51%
CMY	0.6902, 0.3843, 0.4863
CMYK	0.50, 0.00, 0.17, 0.38
HSL	160°, 33%, 46%
HSV	160°, 50%, 62%
XYZ	19.3782, 27.4149, 25.7430
YIQ	130.7140, -38.1420, -24.6220

# Conversions

## Conversions Part 2

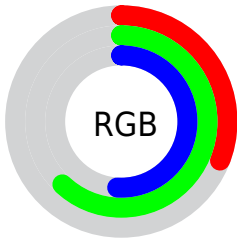
<b>Format</b>	<b>Color</b>
<b>RYB</b>	79, 126, 157
Decimal	5217667
CIELab	59.36, -30.53, 6.26
CIElCh	59, 31.166, 168.422
Yxy	27.4149, 0.2672, 0.3779
Android (android.graphics.Color)	4283407747 (0xFF4F9D83)
YUV	130.7140, 0.1410, -45.3532
Hunter-Lab	52.3592, -25.5657, 7.5009

# Details

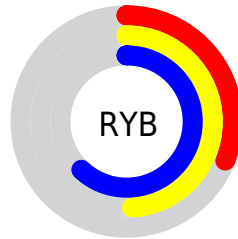
The XYZ color **19.3782, 27.4149, 25.7430** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **19.2514, 13.7808, 15.0111**, and the grayscale version is **21.4814, 22.6001, 24.6115**.

A 20% lighter version of the original color is **41.8681, 55.5342, 53.8599**, and **6.8631, 10.8611, 9.7173** is the 20% darker color. If you saturate the color by 10%, you get **17.8776, 26.6820, 23.8680**, and if you desaturate by 10%, it is **21.2066, 28.3162, 27.7281**.

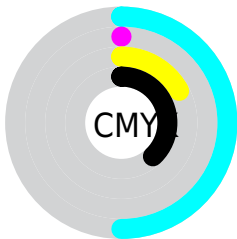
# Distribution



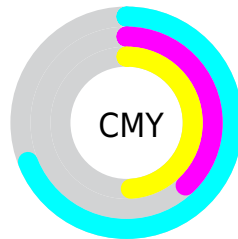
- Red (31%)
- Green (62%)
- Blue (51%)



- Red (31%)
- Yellow (49%)
- Blue (62%)



- Cyan (50%)
- Magenta (0%)
- Yellow (17%)
- Black (38%)




- Cyan (69%)
- Magenta (38%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3782, 27.4149, 25.7430 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 19.3782, 27.4149, 25.7430 by changing the saturation by 10% instead.




 19.3782, 27.4149,  
25.7430


 19.3782, 27.4149,  
25.7430


241.4270,  
289.6604, 295.0834


 12.0495, 17.8851,  
16.4074


 41.8841, 55.5489,  
53.8390


 6.8498, 10.8675,  
9.6555


 57.7921, 74.9219,  
73.4366


 3.4139, 5.9778,  
5.0685


 77.2905, 98.3448,  
97.2919

 1.3762, 2.8316,  
2.2281

 100.7448,  
126.2018, 125.8235

 0.2392, 1.0445,  
0.6905

 128.5202,  
158.8775, 159.4499

 0.0000, 0.0000,  
0.0000

160.9821,

196.7563, 198.5896

198.4959,  
240.2224, 243.6613

■ 19.3782, 27.4149,  
25.7430

■ 19.3782, 27.4149,  
25.7430

■ 17.8776, 26.6820,  
23.8680

■ 21.2066, 28.3162,  
27.7281

■ 16.6804, 26.1027,  
22.0988

■ 23.3809, 29.3929,  
29.8237

■ 15.7619, 25.6651,  
20.4335


■ 25.9201, 30.6556,  
32.0325


■ 15.0927, 25.3541,  
18.8692


■ 28.8415, 32.1133,  
34.3568


■ 14.6049, 25.1346,  
17.4012


■ 32.1610, 33.7739,  
36.7984

 14.5901, 25.1279,  
17.3558

 35.8939, 35.6455,  
39.3593

 40.0543, 37.7352,  
42.0415

 44.6559, 40.0501,  
44.8467

 49.7116, 42.5968,  
47.7767

# Harmonies

## Analogous

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



20.8394, 27.4149, 17.7434



19.3782, 27.4149, 25.7430



19.5690, 27.4149, 37.1658

# Triad

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



19.3782, 27.4149, 25.7430



28.4998, 27.4149, 55.2203



31.3584, 27.4149, 16.4923

# Complementary

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



19.3782, 27.4149, 25.7430



19.2514, 13.7808, 15.0111

# 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.



33.8407, 27.4149, 23.5636



19.3782, 27.4149, 25.7430



32.0801, 27.4149, 46.4956

# Square

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



19.3782, 27.4149, 25.7430



24.5804, 27.4149, 56.2265



34.1172, 27.4149, 34.3725



27.5916, 27.4149, 13.3642



# Rectangle

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



19.3782, 27.4149, 25.7430



20.6114, 27.4149, 45.2881



34.1172, 27.4149, 34.3725



32.3862, 27.4149, 18.3921

# Sweetspot

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



19.3790, 27.4160, 25.7436



48.6301, 56.0017, 59.1672



19.4488, 27.7622, 11.7313



10.4812, 12.2133, 12.8423



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694



# Same Dimension

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



19.3790, 27.4160, 25.7436



31.6664, 47.6131, 42.2645



19.4825, 24.4403, 35.5901



6.7278, 7.4719, 8.0010



11.8670, 20.4147, 14.1885



0.2310, 0.3725, 0.3526



# Inverse Universe

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



19.2514, 13.7808, 15.0111



31.4269, 20.2269, 20.7912



19.0323, 15.1644, 9.3216



6.7197, 6.6808, 7.3752



11.8184, 6.0319, 3.2949



0.2299, 0.1153, 0.1566



# Previews

## White Background



This preview shows how the XYZ color 19.3782, 27.4149, 25.7430 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 19.3782, 27.4149, 25.7430 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

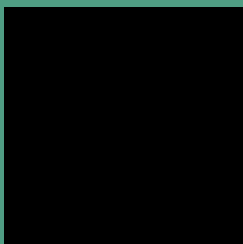
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

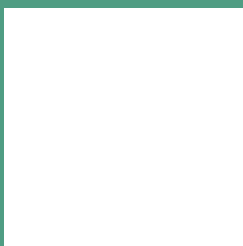
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 19.3782, 27.4149, 25.7430**

## **Background**



This preview shows how black text looks on a background with the XYZ color 19.3782, 27.4149, 25.7430.



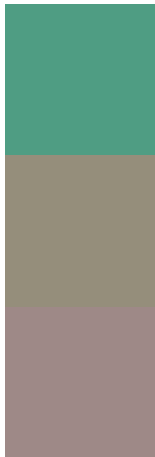
This preview shows how white text looks on a background with the XYZ color 19.3782, 27.4149,

25.7430.

# 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

19.3782, 27.4149, 25.7430

### Protanopia

25.6426, 27.1656, 22.6309

### Deuteranopia

27.4194, 26.9097, 26.6706



## Tritanopia

22.1396, 27.2969, 39.6993

# Trichromacy



## Original Color

19.3782, 27.4149, 25.7430

## Protanomaly

22.5118, 26.6589, 23.6978

## Deuteranomaly

23.3296, 26.3349, 26.4078

## Tritanomaly

21.0517, 27.3424, 34.3051

# Monochromacy



## Original Color

19.3782, 27.4149, 25.7430

## Achromatopsia

21.5731, 22.6966, 24.7166

## Achromatomaly

20.1569, 23.8396, 25.0119

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 19.3782, 27.4149, 25.7430 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(79, 157, 131)` looks like.

```
.text, #text, p{  
    color:rgb(79, 157, 131)  
}
```

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(79, 157, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 157, 131) }
```

## Border

The CSS property to change the border of an element to XYZ 19.3782, 27.4149, 25.7430 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(79, 157, 131) }
```



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

```
.border{ border-color:rgb(79, 157, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 157, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 157, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 157, 131);  
box-shadow:4px 4px 4px 4px rgb(79, 157,  
131) }
```

# Background

The CSS property to change the background color of an element to XYZ 19.3782, 27.4149, 25.7430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 157, 131) }
```

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

```
.background{ background-color: rgb(79, 157,  
131) }
```

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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