

# Converting Colors

XYZ(19.0337, 11.5505, 10.5930)

Have a look what the booklet for  
XYZ(19.0337, 11.5505, 10.5930)  
contains.

<b>XYZ(19.0587, 11.5751, 10.6809)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(19.0587, 11.5751,  
10.6809)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A73659
RGB	167, 54, 89
RGB Percent	65%, 21%, 35%
CMY	0.3451, 0.7882, 0.6510
CMYK	0.00, 0.68, 0.47, 0.35
HSL	341°, 51%, 43%
HSV	341°, 68%, 65%
XYZ	19.0587, 11.5751, 10.6809
YIQ	91.7770, 56.1130, 34.8410

# Conversions

## Conversions Part 2

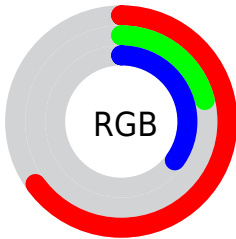
<b>Format</b>	<b>Color</b>
<b>RYB</b>	167, 54, 89
Decimal	10958425
CIELab	40.53, 48.98, 5.23
CIElCh	41, 49.258, 6.097
Yxy	11.5751, 0.4613, 0.2802
Android (android.graphics.Color)	4289148505 (0xFFA73659)
YUV	91.7770, -1.3691, 65.9706
Hunter-Lab	34.0222, 40.4540, 5.2021

# Details

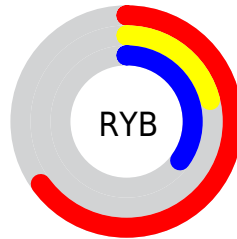
The XYZ color **19.0587, 11.5751, 10.6809** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **19.5057, 30.0880, 26.6116**, and the grayscale version is **10.1160, 10.6428, 11.5901**.

A 20% lighter version of the original color is **41.3868, 28.7580, 27.7956**, and **6.8850, 3.4968, 2.6949** is the 20% darker color. If you saturate the color by 10%, you get **17.9638, 10.1003, 8.1117**, and if you desaturate by 10%, it is **20.4969, 13.6151, 13.7388**.

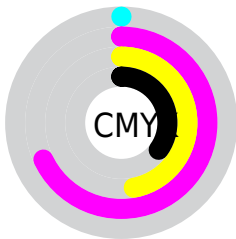
# Distribution



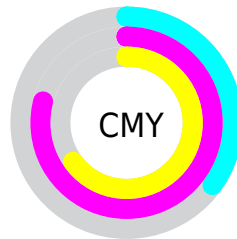
- Red (65%)
- Green (21%)
- Blue (35%)



- Red (65%)
- Yellow (21%)
- Blue (35%)



- Cyan (0%)
- Magenta (68%)
- Yellow (47%)
- Black (35%)




- Cyan (35%)
- Magenta (79%)
- Yellow (65%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0587, 11.5751, 10.6809 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 19.0587, 11.5751, 10.6809 by changing the saturation by 10% instead.





 19.0587, 11.5751,  
10.6809


 19.0587, 11.5751,  
10.6809


239.7045,  
201.5717, 206.1233


 11.8170, 6.4551,  
5.7412


 41.3494, 28.7188,  
27.6961


 6.6905, 3.1237,  
2.6221


 57.1290, 41.5113,  
40.6088


 3.3139, 1.1967,  
0.9039

 76.4853, 57.6301,  
57.0162

 1.3218, 0.0590,  
0.0000

 99.7837, 77.4595,  
77.3369

 0.1995, 0.0000,  
0.0000

 127.3894,  
101.3840, 101.9894

 0.0000, 0.0000,  
0.0000

 159.6679,

129.7879, 131.3923

196.9845,  
163.0557, 165.9641

■ 19.0587, 11.5751,  
10.6809

■ 19.0587, 11.5751,  
10.6809

■ 17.9638, 10.1003,  
8.1117

■ 20.4969, 13.6151,  
13.7388

■ 17.1791, 9.1302,  
6.0025

■ 22.3053, 16.2691,  
17.3104

■ 16.6544, 8.5706,  
4.3180

■ 24.5093, 19.5824,  
21.4193

■ 16.5498, 8.4609,  
3.9766

■ 27.1314, 23.5958,  
26.0878

■ 30.1925, 28.3466,  
31.3363

■ 33.7122, 33.8695,  
37.1846

■ 37.7087, 40.1970,  
43.6514

■ 42.1993, 47.3596,  
50.7544

■ 47.2003, 55.3865,  
58.5107

# Harmonies

## Analogous

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



18.2981, 11.5751, 22.0392



19.0587, 11.5751, 10.6809



17.3213, 11.5751, 4.3651

# Triad

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



19.0587, 11.5751, 10.6809



7.5206, 11.5751, 2.6103



8.5138, 11.5751, 39.3860

# Complementary

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



19.0587, 11.5751, 10.6809



19.5057, 30.0880, 26.6116

# 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.



6.4434, 11.5751, 27.5449



19.0587, 11.5751, 10.6809



5.9600, 11.5751, 6.3382

# Square

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



19.0587, 11.5751, 10.6809



10.3083, 11.5751, 1.5519



5.6118, 11.5751, 14.7436



11.7257, 11.5751, 42.7494



# Rectangle

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



19.0587, 11.5751, 10.6809



15.1587, 11.5751, 2.4662



5.6118, 11.5751, 14.7436



7.6841, 11.5751, 36.0442

# Sweetspot

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



19.0590, 11.5757, 10.6811



52.5123, 48.3346, 53.4775



17.6885, 10.2718, 37.6095



11.4151, 10.2940, 11.3926



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656



# Same Dimension

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



19.0590, 11.5757, 10.6811



31.4312, 17.1483, 12.6126



19.0996, 13.4765, 5.0854



7.6232, 7.5792, 8.3331



12.6839, 6.4823, 3.1472



0.3313, 0.1668, 0.1962



# Inverse Universe

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



19.0590, 11.5757, 10.6811



31.4312, 17.1483, 12.6126



18.8195, 24.2201, 40.2422



7.6232, 7.5792, 8.3331



12.6839, 6.4823, 3.1472



0.3313, 0.1668, 0.1962



# Previews

## White Background



This preview shows how the XYZ color 19.0587, 11.5751, 10.6809 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

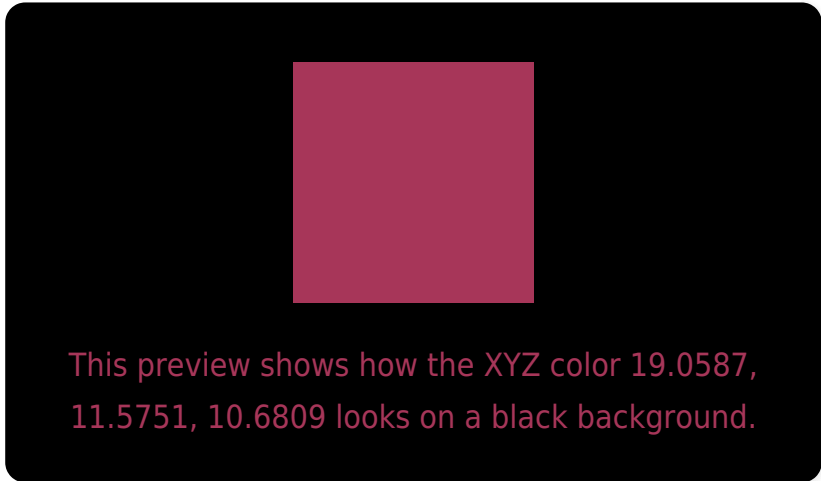
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

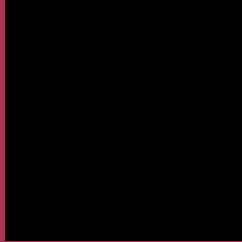
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 19.0587, 11.5751, 10.6809**

## **Background**



This preview shows how black text looks on a background with the XYZ color 19.0587, 11.5751, 10.6809.



This preview shows how white text looks on a background with the XYZ color 19.0587, 11.5751,



# 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

19.0587, 11.5751, 10.6809

### Protanopia

11.6777, 11.8852, 17.3014

### Deuteranopia

11.9450, 11.7838, 10.0324



## Tritanopia

18.0301, 11.5899, 5.9894

# Trichromacy



## Original Color

19.0587, 11.5751, 10.6809

## Protanomaly

13.1868, 10.8774, 14.5012

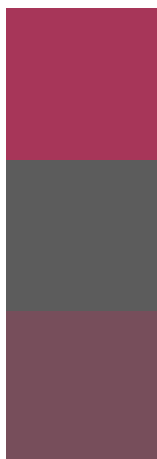
## Deuteranomaly

13.8358, 11.0891, 10.2153

## Tritanomaly

18.4086, 11.6010, 7.3999

# Monochromacy



## Original Color

19.0587, 11.5751, 10.6809

## Achromatopsia

10.1725, 10.7023, 11.6548

## Achromatomaly

12.2205, 10.1260, 11.2080

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 19.0587, 11.5751, 10.6809 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(167, 54, 89)` looks like.

```
.text, #text, p{  
    color:rgb(167, 54, 89)  
}
```

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(167, 54, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 54, 89) }
```

## Border

The CSS property to change the border of an element to XYZ 19.0587, 11.5751, 10.6809 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(167, 54, 89) }
```



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

```
.border{ border-color:rgb(167, 54, 89) }
```

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

Here you see how a box with a 4 pixel rgb(167, 54, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 54, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 54, 89);  
box-shadow:4px 4px 4px 4px rgb(167, 54,  
89) }
```

# Background

The CSS property to change the background color of an element to XYZ 19.0587, 11.5751, 10.6809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 54, 89) }
```

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

```
.background{ background-color: rgb(167, 54,  
89) }
```

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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