

# Converting Colors

XYZ(19.3320, 18.1603, 43.5597)

Have a look what the booklet for  
XYZ(19.3320, 18.1603, 43.5597)  
contains.

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# Color

**XYZ(19.3340, 18.1628,  
43.5610)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6573B0
RGB	101, 115, 176
RGB Percent	40%, 45%, 69%
CMY	0.6039, 0.5490, 0.3098
CMYK	0.43, 0.35, 0.00, 0.31
HSL	229°, 32%, 54%
HSV	229°, 43%, 69%
XYZ	19.3340, 18.1628, 43.5610
YIQ	117.7680, -27.9250, 16.0030

# Conversions

## Conversions Part 2

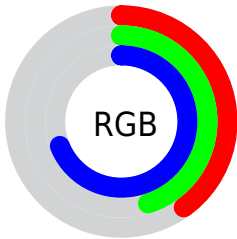
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	101, 113, 176
Decimal	6648752
CIE <sub>Lab</sub>	49.69, 10.90, -34.11
CIE <sub>LCh</sub>	50, 35.805, 287.719
Yxy	18.1628, 0.2385, 0.2241
Android (android.graphics.Color)	4284838832 (0xFF6573B0)
YUV	117.7680, 28.7084, -14.7055
Hunter-Lab	42.6178, 6.3971, -30.7696

# Details

The XYZ color **19.3340, 18.1628, 43.5610** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **33.1742, 36.0108, 17.5149**, and the grayscale version is **17.0674, 17.9562, 19.5543**.

A 20% lighter version of the original color is **41.9018, 40.4322, 81.9397**, and **6.8012, 6.0727, 19.5526** is the 20% darker color. If you saturate the color by 10%, you get **16.0628, 14.2388, 42.9763**, and if you desaturate by 10%, it is **23.2820, 22.8127, 44.2508**.

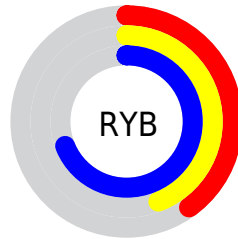
# Distribution



Red (40%)

Green (45%)

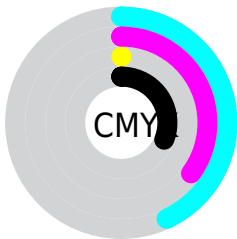
Blue (69%)



Red (40%)

Yellow (44%)

Blue (69%)

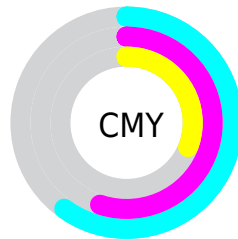


Cyan (43%)

Magenta (35%)

Yellow (0%)

Black (31%)



Cyan (60%)

Magenta (55%)

Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3340, 18.1628, 43.5610 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 19.3340, 18.1628, 43.5610 by changing the saturation by 10% instead.



■ 19.3340, 18.1628,  
43.5610

■ 19.3340, 18.1628,  
43.5610

241.1893,  
241.7871, 376.9026

■ 12.0173, 11.0669,  
29.9909

■ 41.8102, 40.3145,  
81.8522

■ 6.8277, 6.1119,  
19.5797

■ 57.7005, 56.1392,  
107.4103

■ 3.4000, 2.9132,  
11.9088

■ 77.1793, 75.6422,  
137.8015

■ 1.3686, 1.0866,  
6.5598

■ 100.6121, 99.2081,  
173.4443

■ 0.2337, 0.0000,  
3.1142

128.3641,  
127.2211, 214.7573

■ 0.0000, 0.0000,  
1.1532

160.8007,

■ 0.0000, 0.0000,

160.0656, 262.1590

0.0000

198.2874,  
198.1262, 316.0679

■ 19.3340, 18.1628,  
43.5610

■ 19.3340, 18.1628,  
43.5610

■ 16.0628, 14.2388,  
42.9763

■ 23.2820, 22.8127,  
44.2508

■ 13.4277, 11.0013,  
42.4903

■ 27.9404, 28.2210,  
45.0492

■ 11.3862, 8.4102,  
42.0978

■ 33.3432, 34.4208,  
45.9611

■ 9.8899, 6.4201,  
41.7925

■ 39.5213, 41.4424,  
46.9908

■ 8.8821, 4.9793,  
41.5675

■ 46.5040, 49.3148,  
48.1423

■ 8.3763, 4.2142,  
41.4465

■ 54.3190, 58.0652,  
49.4194

■ 62.9927, 67.7199,  
50.8258

■ 72.5504, 78.3039,  
52.3649

■ 81.3775, 88.9966,  
53.9636

# Harmonies

## Analogous

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



15.9074, 18.1628, 44.3454



19.3340, 18.1628, 43.5610



22.5757, 18.1628, 35.2675

# Triad

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



19.3340, 18.1628, 43.5610



22.0543, 18.1628, 8.8926



11.6224, 18.1628, 16.0492

# Complementary

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



19.3340, 18.1628, 43.5610



33.1742, 36.0108, 17.5149

# 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.



12.8572, 18.1628, 9.6518



19.3340, 18.1628, 43.5610



18.6939, 18.1628, 6.5282

# Square

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



19.3340, 18.1628, 43.5610



24.2827, 18.1628, 14.5996



15.3458, 18.1628, 6.7506



11.7464, 18.1628, 26.0511



# Rectangle

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



19.3340, 18.1628, 43.5610



24.0596, 18.1628, 27.7734



15.3458, 18.1628, 6.7506



11.8848, 18.1628, 13.4836

# Sweetspot

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



19.3347, 18.1635, 43.5614



59.8302, 61.6932, 83.2499



27.3257, 36.3910, 39.3026



12.4848, 12.8194, 17.9607



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832



# Same Dimension

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



19.3347, 18.1635, 43.5614



29.5200, 26.2940, 78.0147



20.7309, 16.6906, 43.2036



8.1661, 8.4784, 10.7124



6.1784, 3.1572, 30.4208



0.2326, 0.1757, 0.9699



# Inverse Universe

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



25.6532, 19.7759, 18.6854



42.6417, 30.1591, 26.2392



31.1062, 38.8117, 18.1646



8.5590, 8.5303, 9.1763



13.3532, 6.8589, 1.7542

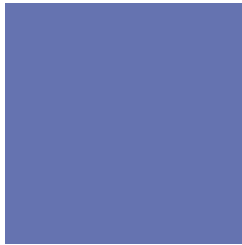


0.4394, 0.2235, 0.1567



# Previews

## White Background



This preview shows how the XYZ color 19.3340, 18.1628, 43.5610 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

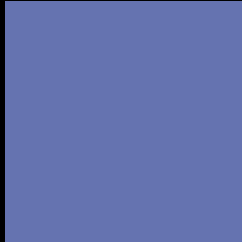
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 19.3340, 18.1628, 43.5610 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

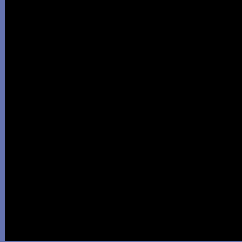
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# XYZ 19.3340, 18.1628, 43.5610

## Background



This preview shows how black text looks on a background with the XYZ color 19.3340, 18.1628, 43.5610.



This preview shows how white text looks on a background with the XYZ color 19.3340, 18.1628,



# 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

19.3340, 18.1628, 43.5610

### Protanopia

19.1110, 18.2065, 44.1019

### Deuteranopia

18.5128, 18.0930, 43.0740



## Tritanopia

15.6577, 18.2824, 24.8939

# Trichromacy



## Original Color

19.3340, 18.1628, 43.5610

## Protanomaly

19.2182, 18.2618, 44.1069

## Deuteranomaly

18.7026, 18.0188, 43.0497

## Tritanomaly

16.8783, 18.2244, 31.0618

# Monochromacy



## Original Color

19.3340, 18.1628, 43.5610

## Achromatopsia

17.2197, 18.1164, 19.7288

## Achromatomaly

17.7036, 18.0314, 26.9734

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 19.3340, 18.1628, 43.5610 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(101, 115, 176)` looks like.

```
.text, #text, p{  
    color:rgb(101, 115, 176)  
}
```

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(101, 115, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 115, 176) }
```

## Border

The CSS property to change the border of an element to XYZ 19.3340, 18.1628, 43.5610 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(101, 115, 176) }
```



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

```
.border{ border-color:rgb(101, 115, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 115, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(101, 115, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(101, 115, 176); box-shadow:4px 4px 4px 4px rgb(101, 115, 176) }
```

# Background

The CSS property to change the background color of an element to XYZ 19.3340, 18.1628, 43.5610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 115, 176) }
```

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

```
.background{ background-color: rgb(101,  
115, 176) }
```

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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