

# Converting Colors

XYZ(19.6026, 17.0658, 44.2979)

Have a look what the booklet for  
XYZ(19.6026, 17.0658, 44.2979)  
contains.

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# Color

**XYZ(19.7051, 17.1907,  
44.3990)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6D6CB2
RGB	109, 108, 178
RGB Percent	43%, 42%, 70%
CMY	0.5725, 0.5765, 0.3020
CMYK	0.39, 0.39, 0.00, 0.30
HSL	241°, 31%, 56%
HSV	241°, 39%, 70%
XYZ	19.7051, 17.1907, 44.3990
YIQ	116.2790, -21.8740, 21.9820

# Conversions

## Conversions Part 2

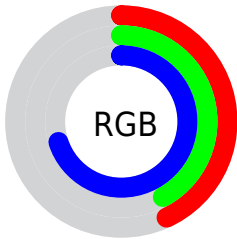
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	109, 108, 178
Decimal	7171250
CIE Lab	48.50, 17.91, -37.10
CIE LCh	48, 41.200, 295.769
Yxy	17.1907, 0.2424, 0.2115
Android (android.graphics.Color)	4285361330 (0xFF6D6CB2)
YUV	116.2790, 30.4285, -6.3837
Hunter-Lab	41.4617, 12.2761, -34.4672

# Details

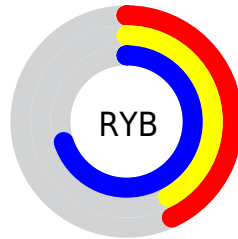
The XYZ color **19.7051, 17.1907, 44.3990** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **36.7588, 42.2708, 20.4096**, and the grayscale version is **16.6009, 17.4654, 19.0199**.

A 20% lighter version of the original color is **42.3537, 38.5233, 83.0454**, and **7.0578, 5.6880, 20.1279** is the 20% darker color. If you saturate the color by 10%, you get **16.0688, 12.8083, 43.7451**, and if you desaturate by 10%, it is **24.1568, 22.5630, 45.2016**.

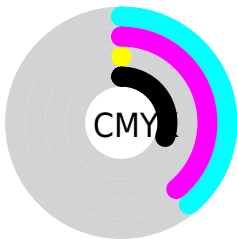
# Distribution



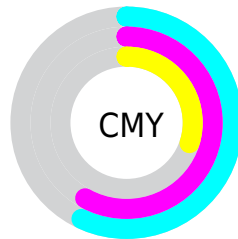
- Red (43%)
- Green (42%)
- Blue (70%)



- Red (43%)
- Yellow (42%)
- Blue (70%)



- Cyan (39%)
- Magenta (39%)
- Yellow (0%)
- Black (30%)



- Cyan (57%)
- Magenta (58%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7051, 17.1907, 44.3990 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 19.7051, 17.1907, 44.3990 by changing the saturation by 10% instead.



■ 19.7051, 17.1907,  
44.3990

■ 19.7051, 17.1907,  
44.3990

243.1783,  
236.2689, 380.4229

■ 12.2879, 10.3706,  
30.6448

■ 42.4299, 38.6534,  
83.1267

■ 7.0136, 5.6453,  
20.0723

■ 58.4683, 54.0647,  
108.9372

■ 3.5170, 2.6306,  
12.2630

■ 78.1110, 73.1085,  
139.6037

■ 1.4327, 0.9421,  
6.7984

■ 101.7235, 96.1692,  
175.5445

■ 0.2794, 0.0000,  
3.2598

129.6711,  
123.6312, 217.1783

■ 0.0000, 0.0000,  
1.2288

162.3192,

■ 0.0000, 0.0000,

155.8789, 264.9237

0.0023

200.0331,  
193.2967, 319.1990

■ 0.0000, 0.0000,  
0.0000

■ 19.7051, 17.1907,  
44.3990

■ 19.7051, 17.1907,  
44.3990

■ 16.0688, 12.8083,  
43.7451

■ 24.1568, 22.5630,  
45.2016

■ 13.1966, 9.3536,  
43.2296

■ 29.4671, 28.9784,  
46.1601

■ 11.0347, 6.7604,  
42.8431

■ 35.6784, 36.4886,  
47.2823

■ 9.5213, 4.9531,  
42.5740

■ 42.8298, 45.1415,  
48.5756

■ 8.5840, 3.8426,  
42.4090

■ 50.9582, 54.9820,  
50.0466

■ 8.0957, 3.2645,  
42.3232

■ 60.0984, 66.0524,  
51.7016

■ 8.0678, 3.2308,  
42.3181

■ 70.2834, 78.3934,  
53.5469

■ 81.5448, 92.0434,  
55.5880

■ 85.0359, 95.9944,  
56.1667

# Harmonies

## Analogous

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



15.8091, 17.1907, 48.0748



19.7051, 17.1907, 44.3990



23.1110, 17.1907, 33.0292

# Triad

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



19.7051, 17.1907, 44.3990



20.7757, 17.1907, 6.2482



10.1128, 17.1907, 17.2244

# Complementary

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



19.7051, 17.1907, 44.3990



36.7588, 42.2708, 20.4096

# 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.



11.0392, 17.1907, 9.2844



19.7051, 17.1907, 44.3990



16.8811, 17.1907, 4.6920

# Square

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



19.7051, 17.1907, 44.3990



23.7929, 17.1907, 11.0519



13.3803, 17.1907, 5.5383



10.6317, 17.1907, 29.2970



# Rectangle

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



19.7051, 17.1907, 44.3990



24.4404, 17.1907, 24.3121



13.3803, 17.1907, 5.5383



10.2610, 17.1907, 14.0550

# Sweetspot

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



19.7057, 17.1913, 44.3994



61.2812, 62.0344, 85.1251



30.1410, 38.2437, 47.9129



13.2499, 13.3483, 18.8004



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787



# Same Dimension

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



19.7057, 17.1913, 44.3994



30.0452, 24.3175, 79.4914



24.7266, 19.7797, 44.6344



8.0528, 8.2358, 10.6716



5.7771, 2.3140, 30.2792



0.1855, 0.0747, 0.9529



# Inverse Universe

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



31.6588, 23.3649, 44.4362



54.7282, 37.0675, 79.4950



29.9553, 38.7635, 20.0912



8.8447, 8.6446, 10.6806



18.7076, 9.0006, 29.9497

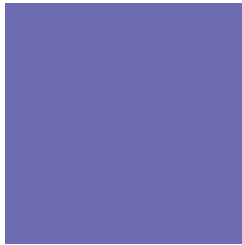


0.5903, 0.2839, 0.9511



# Previews

## White Background



This preview shows how the XYZ color 19.7051, 17.1907, 44.3990 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 19.7051, 17.1907, 44.3990 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 19.7051, 17.1907, 44.3990**

## **Background**



This preview shows how black text looks on a background with the XYZ color 19.7051, 17.1907, 44.3990.



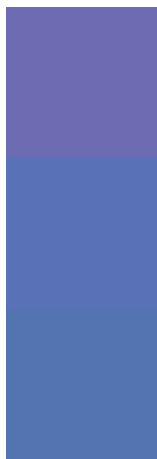
This preview shows how white text looks on a background with the XYZ color 19.7051, 17.1907,



# 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

19.7051, 17.1907, 44.3990

### Protanopia

18.4684, 17.3115, 46.6240

### Deuteranopia

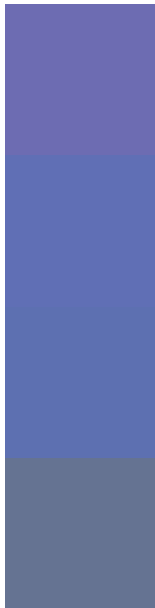
17.7227, 17.3206, 44.0041



## Tritanopia

15.4229, 17.2936, 22.9472

# Trichromacy



## Original Color

19.7051, 17.1907, 44.3990

## Protanomaly

18.8488, 17.1919, 46.0410

## Deuteranomaly

18.2442, 17.0898, 43.9321

## Tritanomaly

16.6859, 17.1035, 29.6160

# Monochromacy



## Original Color

19.7051, 17.1907, 44.3990

## Achromatopsia

16.6002, 17.4647, 19.0191

## Achromatomaly

17.3754, 17.1850, 26.8274

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 19.7051, 17.1907, 44.3990 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(109, 108, 178)` looks like.

```
.text, #text, p{  
    color:rgb(109, 108, 178)  
}
```

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(109, 108, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 108, 178) }
```

## Border

The CSS property to change the border of an element to XYZ 19.7051, 17.1907, 44.3990 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(109, 108, 178) }
```



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

```
.border{ border-color:rgb(109, 108, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 108, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 108, 178); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 108, 178); box-shadow:4px 4px 4px 4px rgb(109, 108, 178) }
```

# Background

The CSS property to change the background color of an element to XYZ 19.7051, 17.1907, 44.3990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 108, 178) }
```

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

```
.background{ background-color: rgb(109,  
108, 178) }
```

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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