

# Converting Colors

XYZ(16.2882, 17.8025, 20.5543)

Have a look what the booklet for  
XYZ(16.2882, 17.8025, 20.5543)  
contains.

<b>XYZ(16.3547, 17.8253, 20.6678)</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(16.3547, 17.8253,  
20.6678)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6D7779
RGB	109, 119, 121
RGB Percent	43%, 47%, 47%
CMY	0.5725, 0.5333, 0.5255
CMYK	0.10, 0.02, 0.00, 0.53
HSL	190°, 5%, 45%
HSV	190°, 10%, 47%
XYZ	16.3547, 17.8253, 20.6678
YIQ	116.2380, -6.6020, -1.4980

# Conversions

## Conversions Part 2

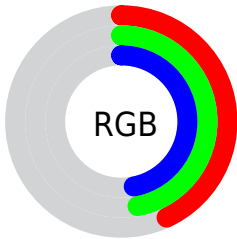
Format	Color
<b>RYB</b>	109, 114, 121
Decimal	7174009
CIELab	49.28, -3.29, -2.38
CIELCh	49, 4.064, 215.900
Yxy	17.8253, 0.2982, 0.3250
Android (android.graphics.Color)	4285364089 (0xFF6D7779)
YUV	116.2380, 2.3477, -6.3477
Hunter-Lab	42.2200, -4.7398, 0.5300

# Details

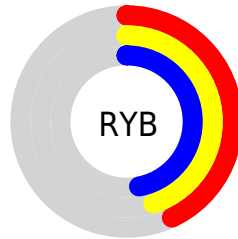
The XYZ color **16.3547, 17.8253, 20.6678** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.3301, 16.5380, 16.7998**, and the grayscale version is **16.6683, 17.5364, 19.0971**.

A 20% lighter version of the original color is **36.8037, 39.7200, 45.2621**, and **5.3803, 5.9796, 7.1739** is the 20% darker color. If you saturate the color by 10%, you get **14.7303, 16.6361, 20.5242**, and if you desaturate by 10%, it is **18.1901, 19.1318, 20.8235**.

# Distribution



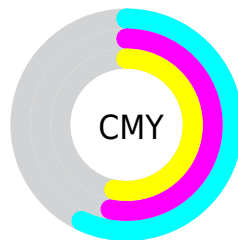
- Red (43%)
- Green (47%)
- Blue (47%)



- Red (43%)
- Yellow (45%)
- Blue (47%)



- Cyan (10%)
- Magenta (2%)
- Yellow (0%)
- Black (53%)



- Cyan (57%)
- Magenta (53%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3547, 17.8253, 20.6678 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 16.3547, 17.8253, 20.6678 by changing the saturation by 10% instead.



■ 16.3547, 17.8253,  
20.6678

■ 16.3547, 17.8253,  
20.6678

224.6552,  
239.8845, 268.2305

■ 9.8679, 10.8246,  
12.6925

■ 36.7654, 39.7394,  
45.4076

■ 5.3731, 5.9490,  
7.0889

■ 51.4200, 55.4217,  
63.0092

■ 2.5048, 2.8141,  
3.4385

■ 69.5280, 74.7665,  
84.6566

■ 0.8977, 1.0355,  
1.3227

■ 91.4546, 98.1585,  
110.7685

■ 0.0000, 0.0000,  
0.0802

117.5653,  
125.9818, 141.7632

■ 0.0000, 0.0000,  
0.0000

148.2254,

158.6210, 178.0595

183.8003,  
196.4605, 220.0757

■ 16.3547, 17.8253,  
20.6678

■ 16.3547, 17.8253,  
20.6678

■ 14.7303, 16.6361,  
20.5242

■ 18.1901, 19.1318,  
20.8235

■ 13.3071, 15.5577,  
20.3910

■ 20.2430, 20.5575,  
20.9905

■ 12.0767, 14.5860,  
20.2683

■ 22.5212, 22.1070,  
21.1695

■ 11.0294, 13.7163,  
20.1556

■ 25.0319, 23.7841,  
21.3609

■ 10.1548, 12.9429,  
20.0524

■ 27.7818, 25.5922,  
21.5650

■ 9.4414, 12.2599,  
19.9582

■ 30.7775, 27.5348,  
21.7820

■ 8.8762, 11.6606,  
19.8723

■ 34.0253, 29.6151,  
22.0124

■ 8.4442, 11.1371,  
19.7941

■ 37.5311, 31.8363,  
22.2564

■ 8.0933, 10.6627,  
19.7210

■ 41.3008, 34.2015,  
22.5142

# Harmonies

## Analogous

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



16.2226, 17.8253, 19.6256



16.3547, 17.8253, 20.6678



16.6444, 17.8253, 21.3918

# Triad

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



16.3547, 17.8253, 20.6678



17.6214, 17.8253, 20.2799



16.8671, 17.8253, 17.3917

# Complementary

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



16.3547, 17.8253, 20.6678



16.3301, 16.5380, 16.7998

# 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.



17.2439, 17.8253, 17.5521



16.3547, 17.8253, 20.6678



17.6832, 17.8253, 19.1934

# Square

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



16.3547, 17.8253, 20.6678



17.3765, 17.8253, 21.1620



17.5440, 17.8253, 18.2018



16.5156, 17.8253, 17.7550



# Rectangle

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



16.3547, 17.8253, 20.6678



16.8900, 17.8253, 21.5822



17.5440, 17.8253, 18.2018



16.9949, 17.8253, 17.3863

# Sweetspot

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



16.3552, 17.8260, 20.6682



31.4940, 33.4982, 37.1988



16.0026, 18.0696, 17.6260



7.1464, 7.6206, 8.5009



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256



# Same Dimension

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



16.3552, 17.8260, 20.6682



28.5605, 31.3950, 36.9474



15.6857, 16.4870, 20.4450



4.0530, 4.4043, 5.0797



8.6631, 11.4085, 21.1308



40.7897, 53.3520, 100.6179



# Inverse Universe

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



16.6840, 16.3346, 19.7271



29.2828, 28.1461, 34.8735



16.9838, 17.8454, 17.0178



4.1272, 4.0666, 4.8675



10.9560, 5.3586, 13.5913



51.9919, 25.4531, 63.4126



# Previews

## White Background



This preview shows how the XYZ color 16.3547, 17.8253, 20.6678 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 16.3547, 17.8253, 20.6678 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

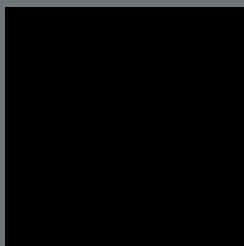
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

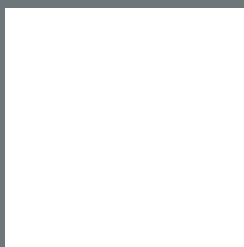
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 16.3547, 17.8253, 20.6678**

## **Background**



This preview shows how black text looks on a background with the XYZ color 16.3547, 17.8253, 20.6678.



This preview shows how white text looks on a background with the XYZ color 16.3547, 17.8253,



# 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

16.3547, 17.8253, 20.6678

### Protanopia

17.0464, 17.6742, 19.9658

### Deuteranopia

18.0222, 17.6510, 20.8695



## Tritanopia

16.7396, 17.8042, 22.6329

# Trichromacy



## Original Color

16.3547, 17.8253, 20.6678

## Protanomaly

16.8217, 17.7235, 20.3037

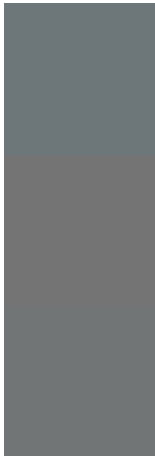
## Deuteranomaly

17.3893, 17.6597, 20.9045

## Tritanomaly

16.6105, 17.7525, 21.9531

# Monochromacy



## Original Color

16.3547, 17.8253, 20.6678

## Achromatopsia

16.6002, 17.4647, 19.0191

## Achromatomaly

16.4414, 17.5413, 19.6588

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 16.3547, 17.8253, 20.6678 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, 119, 121)` looks like.

```
.text, #text, p{  
    color:rgb(109, 119, 121)  
}
```

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, 119, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 119, 121) }
```

## Border

The CSS property to change the border of an element to XYZ 16.3547, 17.8253, 20.6678 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, 119, 121) }
```



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

```
.border{ border-color:rgb(109, 119, 121) }
```

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

Here you see how a box with a 4 pixel rgb(109, 119, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 119, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 119, 121);  
box-shadow:4px 4px 4px 4px rgb(109, 119,  
121) }
```

# Background

The CSS property to change the background color of an element to XYZ 16.3547, 17.8253, 20.6678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 119, 121) }
```

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

```
.background{ background-color: rgb(109,  
119, 121) }
```

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