

# Converting Colors

XYZ(17.3645, 17.8305, 21.9117)

Have a look what the booklet for  
XYZ(17.3645, 17.8305, 21.9117)  
contains.

<b>XYZ(17.2832, 17.7534, 21.9179)</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(17.2832, 17.7534,  
21.9179)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	75747D
RGB	117, 116, 125
RGB Percent	46%, 45%, 49%
CMY	0.5412, 0.5451, 0.5098
CMYK	0.06, 0.07, 0.00, 0.51
HSL	247°, 4%, 47%
HSV	247°, 7%, 49%
XYZ	17.2832, 17.7534, 21.9179
YIQ	117.3250, -2.2930, 3.0110

# Conversions

## Conversions Part 2

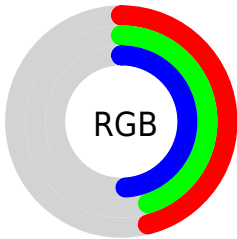
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	117, 116, 125
Decimal	7697533
CIE Lab	49.20, 2.25, -4.81
CIE LCh	49, 5.309, 295.113
Yxy	17.7534, 0.3035, 0.3117
Android (android.graphics.Color)	4285887613 (0xFF75747D)
YUV	117.3250, 3.7838, -0.2850
Hunter-Lab	42.1348, -0.5172, -1.3474

# Details

The XYZ color **17.2832, 17.7534, 21.9179** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.7989, 20.2138, 19.4348**, and the grayscale version is **16.9989, 17.8842, 19.4759**.

A 20% lighter version of the original color is **38.4007, 39.6546, 47.7497**, and **5.8259, 5.9213, 7.6733** is the 20% darker color. If you saturate the color by 10%, you get **14.5326, 14.3388, 21.4041**, and if you desaturate by 10%, it is **20.4061, 21.6487, 22.5055**.

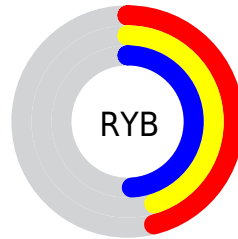
# Distribution



Red (46%)

Green (45%)

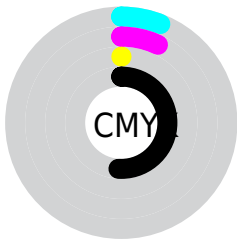
Blue (49%)



Red (46%)

Yellow (45%)

Blue (49%)

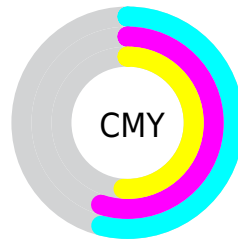


Cyan (6%)

Magenta (7%)

Yellow (0%)

Black (51%)



Cyan (54%)

Magenta (55%)

Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2832, 17.7534, 21.9179 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 17.2832, 17.7534, 21.9179 by changing the saturation by 10% instead.



■ 17.2832, 17.7534,  
21.9179

■ 17.2832, 17.7534,  
21.9179

229.9237,  
239.4774, 275.0567

■ 10.5332, 10.7731,  
13.5988

■ 38.3518, 39.6167,  
47.5107

■ 5.8188, 5.9145,  
7.7066

■ 53.4011, 55.2684,  
65.6216

■ 2.7748, 2.7931,  
3.8227

■ 71.9475, 74.5794,  
87.8334

■ 1.0358, 1.0247,  
1.5286

■ 94.3563, 97.9341,  
114.5648

■ 0.0000, 0.0000,  
0.2391

120.9930,  
125.7169, 146.2343

■ 0.0000, 0.0000,  
0.0000

152.2229,

158.3121, 183.2604

188.4114,  
196.1041, 226.0617

■ 17.2832, 17.7534,  
21.9179

■ 17.2832, 17.7534,  
21.9179

■ 14.5326, 14.3388,  
21.4041

■ 20.4061, 21.6487,  
22.5055

■ 12.1389, 11.3841,  
20.9599

■ 23.9128, 26.0401,  
23.1682

■ 10.0877, 8.8703,  
20.5828

■ 27.8163, 30.9448,  
23.9092

■ 8.3635, 6.7762,  
20.2695

■ 32.1286, 36.3789,  
24.7308

■ 6.9490, 5.0788,  
20.0164

■ 36.8611, 42.3575,  
25.6354

■ 5.8259, 3.7530,  
19.8197

■ 42.0248, 48.8952,  
26.6251

■ 4.9735, 2.7706,  
19.6750

■ 47.6302, 56.0060,  
27.7022

■ 4.3684, 2.0995,  
19.5773

■ 53.6876, 63.7035,  
28.8687

■ 3.9705, 1.6757,  
19.5165

■ 60.2068, 72.0008,  
30.1266

# Harmonies

## Analogous

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



16.7927, 17.7534, 22.1897



17.2832, 17.7534, 21.9179



17.6707, 17.7534, 20.9396

# Triad

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



17.2832, 17.7534, 21.9179



17.4270, 17.7534, 17.1698



15.9391, 17.7534, 19.0981

# Complementary

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



17.2832, 17.7534, 21.9179



18.7989, 20.2138, 19.4348

# 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.



16.1017, 17.7534, 17.8059



17.2832, 17.7534, 21.9179



16.9557, 17.7534, 16.7280

# Square

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



17.2832, 17.7534, 21.9179



17.7549, 17.7534, 18.1912



16.4715, 17.7534, 16.9551



16.0229, 17.7534, 20.5163



# Rectangle

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



17.2832, 17.7534, 21.9179



17.8153, 17.7534, 20.0426



16.4715, 17.7534, 16.9551



15.9666, 17.7534, 18.6353

# Sweetspot

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



17.2837, 17.7542, 21.9183



33.7454, 35.2753, 39.7746



18.1249, 19.6346, 22.2369



7.6950, 8.0477, 9.0509



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970



# Same Dimension

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



17.2837, 17.7542, 21.9183



29.9028, 30.4897, 39.0534



17.8891, 18.0662, 21.9466



4.1497, 4.2328, 5.4116



4.0467, 1.6399, 20.3532



0.0000, 0.0000, 0.0000



# Inverse Universe

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



18.3416, 18.3068, 21.6367



32.2992, 31.7419, 38.4073



18.1770, 19.8932, 19.4057



4.4783, 4.4045, 5.3230



11.8280, 5.7509, 16.2159



0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the XYZ color 17.2832, 17.7534, 21.9179 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 17.2832, 17.7534, 21.9179 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

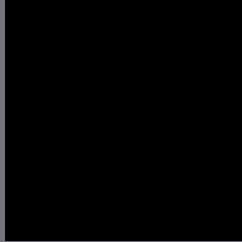
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 17.2832, 17.7534, 21.9179**

## **Background**



This preview shows how black text looks on a background with the XYZ color 17.2832, 17.7534, 21.9179.



This preview shows how white text looks on a background with the XYZ color 17.2832, 17.7534,

21.9179.

# 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

17.2832, 17.7534, 21.9179

### Protanopia

17.2832, 17.7534, 21.9179

### Deuteranopia

18.0312, 17.8004, 21.8875



## Tritanopia

17.2832, 17.7534, 21.9179

# Trichromacy



## Original Color

17.2832, 17.7534, 21.9179

## Protanomaly

17.2832, 17.7534, 21.9179

## Deuteranomaly

17.7176, 17.8071, 21.9053

## Tritanomaly

17.2832, 17.7534, 21.9179

# Monochromacy



## Original Color

17.2832, 17.7534, 21.9179

## Achromatopsia

16.9083, 17.7888, 19.3720

## Achromatomaly

17.0876, 17.8606, 20.3161

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 17.2832, 17.7534, 21.9179 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(117, 116, 125)` looks like.

```
.text, #text, p{  
    color:rgb(117, 116, 125)  
}
```

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(117, 116, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 116, 125) }
```

## Border

The CSS property to change the border of an element to XYZ 17.2832, 17.7534, 21.9179 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(117, 116, 125) }
```



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

```
.border{ border-color:rgb(117, 116, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 116, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 116, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 116, 125);  
box-shadow:4px 4px 4px 4px rgb(117, 116,  
125) }
```

# Background

The CSS property to change the background color of an element to XYZ 17.2832, 17.7534, 21.9179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 116, 125) }
```

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

```
.background{ background-color: rgb(117,  
116, 125) }
```

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