

Converting Colors

XYZ(13.6087, 17.8151, 18.3884)

Have a look what the booklet for
XYZ(13.6087, 17.8151, 18.3884)
contains.

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Color

**XYZ(13.5834, 17.7337,
18.3298)**

Conversions

Conversions Part 1

Format	Color
Hex	4E7E71
RGB	78, 126, 113
RGB Percent	31%, 49%, 44%
CMY	0.6941, 0.5059, 0.5569
CMYK	0.38, 0.00, 0.10, 0.51
HSL	164°, 24%, 40%
HSV	164°, 38%, 49%
XYZ	13.5834, 17.7337, 18.3298
YIQ	110.1660, -24.4350, -14.2190

Conversions

Conversions Part 2

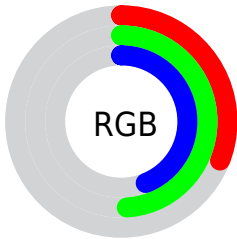
Format	Color
RYB	78, 106, 126
Decimal	5144177
CIELab	49.17, -19.50, 1.93
CIELCh	49, 19.594, 174.340
Yxy	17.7337, 0.2736, 0.3572
Android (android.graphics.Color)	4283334257 (0xFF4E7E71)
YUV	110.1660, 1.3972, -28.2096
Hunter-Lab	42.1114, -16.1182, 3.6709

Details

The XYZ color **13.5834, 17.7337, 18.3298** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.2175, 10.6402, 11.2554**, and the grayscale version is **14.8702, 15.6446, 17.0370**.

A 20% lighter version of the original color is **31.9649, 39.6239, 41.5608**, and **4.1147, 5.9506, 5.9327** is the 20% darker color. If you saturate the color by 10%, you get **12.4599, 17.1768, 17.2933**, and if you desaturate by 10%, it is **14.9130, 18.3969, 19.4145**.

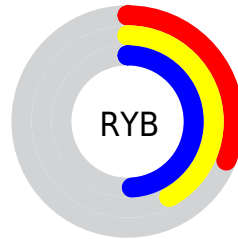
Distribution



Red (31%)

Green (49%)

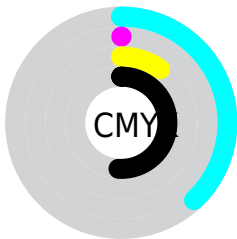
Blue (44%)



Red (31%)

Yellow (42%)

Blue (49%)

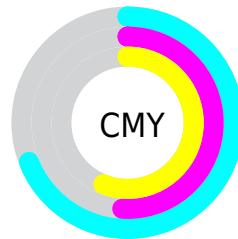


Cyan (38%)

Magenta (0%)

Yellow (10%)

Black (51%)



Cyan (69%)


Magenta (51%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.5834, 17.7337, 18.3298 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 13.5834, 17.7337, 18.3298 by changing the saturation by 10% instead.


 13.5834, 17.7337,
18.3298


 13.5834, 17.7337,
18.3298


208.1864,
239.3657, 255.0217


 7.9112, 10.7590,
11.0151


 31.9405, 39.5830,
41.4200

 4.0895, 5.9050,
5.9627

 45.3561, 55.2264,
58.0326


 1.7529, 2.7874,
2.7540

 62.0836, 74.5282,
78.5816

 0.4890, 1.0218,
0.9704

 82.4883, 97.8726,
103.4856

 0.0000, 0.0000,
0.0000

 106.9356,
125.6442, 133.1631

135.7908,

158.2273, 168.0325

169.4193,
196.0064, 208.5126

■ 13.5834, 17.7337,
18.3298

■ 13.5834, 17.7337,
18.3298

■ 12.4599, 17.1768,
17.2933

■ 14.9130, 18.3969,
19.4145

■ 11.5296, 16.7181,
16.3027

■ 16.4576, 19.1698,
20.5470

■ 10.7803, 16.3520,
15.3575


■ 18.2276, 20.0579,
21.7285


■ 10.1981, 16.0712,
14.4567


■ 20.2321, 21.0661,
22.9600

■ 9.7666, 15.8673,
13.5989


■ 22.4799, 22.1988,
24.2422


 9.4460, 15.7197,
12.7819

 24.9790, 23.4602,
25.5758

 9.3874, 15.6929,
12.6304

 27.7373, 24.8544,
26.9616

 30.7624, 26.3852,
28.4003

 34.0613, 28.0562,
29.8926

Harmonies

Analogous

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



14.1489, 17.7337, 13.9985



13.5834, 17.7337, 18.3298



13.8416, 17.7337, 23.7788

Triad

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



13.5834, 17.7337, 18.3298



18.3513, 17.7337, 30.0523



18.9963, 17.7337, 12.2095

Complementary

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



13.5834, 17.7337, 18.3298



13.2175, 10.6402, 11.2554

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.



20.2775, 17.7337, 15.4377



13.5834, 17.7337, 18.3298



19.8866, 17.7337, 25.8168

Square

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



13.5834, 17.7337, 18.3298



16.5099, 17.7337, 31.2065



20.6146, 17.7337, 20.3224



17.2056, 17.7337, 10.9002

Rectangle

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



13.5834, 17.7337, 18.3298



14.4565, 17.7337, 27.2645



20.6146, 17.7337, 20.3224



19.5059, 17.7337, 13.0744

Sweetspot

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



13.5839, 17.7344, 18.3302



31.0542, 34.7880, 37.5783



13.2104, 17.7273, 9.9335



6.9865, 7.8743, 8.4967



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.



13.5839, 17.7344, 18.3302



22.1171, 30.3255, 30.6211



13.1077, 15.5255, 22.0454



4.3983, 4.8676, 5.2685



9.6283, 16.0979, 12.9476



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.2175, 10.6402, 11.2554



21.3769, 15.9007, 16.2591



13.5026, 12.0315, 8.8187



4.3719, 4.3619, 4.7630



9.1236, 4.6691, 1.9745



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.5834, 17.7337, 18.3298 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 13.5834, 17.7337, 18.3298 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 13.5834, 17.7337, 18.3298

Background



This preview shows how black text looks on a background with the XYZ color 13.5834, 17.7337, 18.3298.

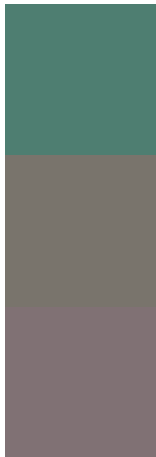


This preview shows how white text looks on a background with the XYZ color 13.5834, 17.7337,

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

13.5834, 17.7337, 18.3298

Protanopia

16.8373, 17.6384, 16.7045

Deuteranopia

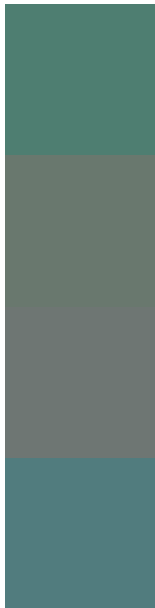
17.9596, 17.6604, 18.9852



Tritanopia

14.8839, 17.6984, 24.8220

Trichromacy



Original Color

13.5834, 17.7337, 18.3298

Protanomaly

15.3566, 17.5620, 17.3323

Deuteranomaly

16.0034, 17.5097, 18.7559

Tritanomaly

14.3669, 17.6710, 22.3923

Monochromacy



Original Color

13.5834, 17.7337, 18.3298

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.1516, 16.2351, 17.4268

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5834, 17.7337, 18.3298 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(78, 126, 113)` looks like.

```
.text, #text, p{  
    color:rgb(78, 126, 113)  
}
```

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(78, 126, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 126, 113) }
```

Border

The CSS property to change the border of an element to XYZ 13.5834, 17.7337, 18.3298 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(78, 126, 113) }
```


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

```
.border{ border-color:rgb(78, 126, 113) }
```

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

Here you see how a box with a 4 pixel rgb(78, 126, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 126, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 126, 113);  
box-shadow:4px 4px 4px 4px rgb(78, 126,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5834, 17.7337, 18.3298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 126, 113) }
```

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

```
.background{ background-color: rgb(78, 126,  
113) }
```

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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