

Converting Colors

XYZ(13.7071, 17.4324, 17.4642)

Have a look what the booklet for
XYZ(13.7071, 17.4324, 17.4642)
contains.

XYZ(13.6783, 17.4259, 17.3945)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.6783, 17.4259,
17.3945)**

Conversions

Conversions Part 1

Format	Color
Hex	547C6E
RGB	84, 124, 110
RGB Percent	33%, 49%, 43%
CMY	0.6706, 0.5137, 0.5686
CMYK	0.32, 0.00, 0.11, 0.51
HSL	159°, 19%, 41%
HSV	159°, 32%, 49%
XYZ	13.6783, 17.4259, 17.3945
YIQ	110.4440, -19.3460, -12.8340

Conversions

Conversions Part 2

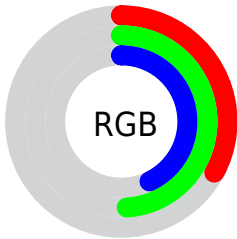
Format	Color
R_{YB}	84, 108, 124
Decimal	5536878
CIE Lab	48.79, -17.26, 3.19
CIE LCh	49, 17.549, 169.528
Yxy	17.4259, 0.2820, 0.3593
Android (android.graphics.Color)	4283726958 (0xFF547C6E)
YUV	110.4440, -0.2189, -23.1914
Hunter-Lab	41.7443, -14.5638, 4.5154

Details

The XYZ color **13.6783, 17.4259, 17.3945** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.6877, 11.5081, 13.0558**, and the grayscale version is **14.9537, 15.7324, 17.1326**.

A 20% lighter version of the original color is **32.2354, 39.2038, 40.0505**, and **4.1408, 5.7661, 5.5974** is the 20% darker color. If you saturate the color by 10%, you get **12.4347, 16.8119, 16.1330**, and if you desaturate by 10%, it is **15.1310, 18.1473, 18.7270**.

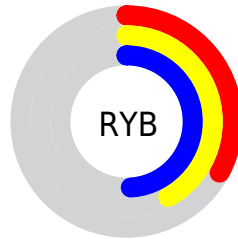
Distribution



Red (33%)

Green (49%)

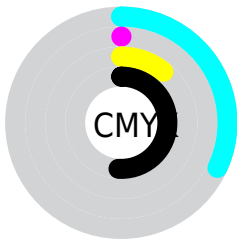
Blue (43%)



Red (33%)

Yellow (42%)

Blue (49%)

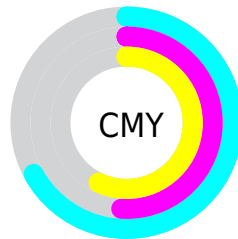


Cyan (32%)

Magenta (0%)

Yellow (11%)

Black (51%)



Cyan (67%)

Magenta (51%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6783, 17.4259, 17.3945 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 13.6783, 17.4259, 17.3945 by changing the saturation by 10% instead.

■ 13.6783, 17.4259,
17.3945

■ 13.6783, 17.4259,
17.3945

208.7711,
237.6149, 249.5561

■ 7.9775, 10.5386,
10.3512

■ 32.1082, 39.0566,
39.8027

■ 4.1322, 5.7575,
5.5238

■ 45.5679, 54.5688,
56.0048

■ 1.7772, 2.6982,
2.4937

■ 62.3447, 73.7248,
76.0968

■ 0.5039, 0.9763,
0.8368

■ 82.8038, 96.9089,
100.4974

■ 0.0000, 0.0000,
0.0000

■ 107.3107,
124.5056, 129.6251

136.2306,

156.8992, 163.8984

169.9290,
194.4742, 203.7359

■ 13.6783, 17.4259,
17.3945

■ 13.6783, 17.4259,
17.3945

■ 12.4347, 16.8119,
16.1330

■ 15.1310, 18.1473,
18.7270

■ 11.3882, 16.2977,
14.9399

■ 16.8010, 18.9789,
20.1306

■ 10.5278, 15.8782,
13.8143

■ 18.6980, 19.9261,
21.6068

■ 9.8408, 15.5468,
12.7546

■ 20.8307, 20.9934,
23.1571

■ 9.3127, 15.2960,
11.7592

■ 23.2071, 22.1850,
24.7824

■ 8.9267, 15.1173,
10.8265

■ 25.8350, 23.5048,
26.4840

■ 8.6781, 15.0040,
10.1445

■ 28.7217, 24.9566,
28.2629

■ 31.8744, 26.5440,
30.1203

■ 35.3000, 28.2706,
32.0571

Harmonies

Analogous

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



14.2993, 17.4259, 13.7414



13.6783, 17.4259, 17.3945



13.7909, 17.4259, 22.1225

Triad

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



13.6783, 17.4259, 17.3945



17.6285, 17.4259, 28.7109



18.6732, 17.4259, 12.9520

Complementary

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



13.6783, 17.4259, 17.3945



13.6877, 11.5081, 13.0558

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.



19.6832, 17.4259, 16.1390



13.6783, 17.4259, 17.3945



19.0534, 17.4259, 25.3899

Square

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



13.6783, 17.4259, 17.3945



16.0017, 17.4259, 29.1953



19.8267, 17.4259, 20.6460



17.1368, 17.4259, 11.4691

Rectangle

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



13.6783, 17.4259, 17.3945



14.2693, 17.4259, 25.2530



19.8267, 17.4259, 20.6460



19.0897, 17.4259, 13.8327

Sweetspot

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



13.6788, 17.4266, 17.3949



30.2065, 33.7171, 35.9382



13.9177, 17.6900, 11.0688



7.0268, 7.8973, 8.3942



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.



13.6788, 17.4266, 17.3949



22.3602, 29.8199, 28.8962



13.8520, 16.4552, 21.5157



4.0503, 4.4897, 4.7987



8.8205, 15.2519, 10.3058



41.6605, 72.5872, 46.9778

Inverse Universe

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



13.6877, 11.5081, 13.0558



22.3806, 17.6298, 19.9693



13.5131, 12.1260, 10.0162



4.0509, 4.0361, 4.4656



8.8998, 4.5361, 2.7634



42.0846, 21.4902, 11.2417

Previews

White Background



This preview shows how the XYZ color 13.6783, 17.4259, 17.3945 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 13.6783, 17.4259, 17.3945 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 13.6783, 17.4259, 17.3945

Background



This preview shows how black text looks on a background with the XYZ color 13.6783, 17.4259, 17.3945.

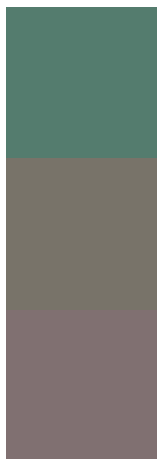


This preview shows how white text looks on a background with the XYZ color 13.6783, 17.4259,

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

13.6783, 17.4259, 17.3945

Protanopia

16.4263, 17.2745, 15.8331

Deuteranopia

17.6769, 17.3698, 18.0438



Tritanopia

15.0539, 17.4373, 24.0450

Trichromacy



Original Color

13.6783, 17.4259, 17.3945

Protanomaly

15.1957, 17.1442, 16.4182

Deuteranomaly

15.8521, 17.1054, 17.7954

Tritanomaly

14.4652, 17.3754, 21.3303

Monochromacy



Original Color

13.6783, 17.4259, 17.3945

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.3120, 16.1540, 17.1156

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6783, 17.4259, 17.3945 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(84, 124, 110)` looks like.

```
.text, #text, p{  
    color:rgb(84, 124, 110)  
}
```

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(84, 124, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 124, 110) }
```

Border

The CSS property to change the border of an element to XYZ 13.6783, 17.4259, 17.3945 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(84, 124, 110) }
```


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

```
.border{ border-color:rgb(84, 124, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 124, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 124, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 124, 110);  
box-shadow:4px 4px 4px 4px rgb(84, 124,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6783, 17.4259, 17.3945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 124, 110) }
```

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

```
.background{ background-color: rgb(84, 124,  
110) }
```

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