

Converting Colors

XYZ(13.7566, 18.8356, 18.0284)

Have a look what the booklet for
XYZ(13.7566, 18.8356, 18.0284)
contains.

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Color

**XYZ(13.7332, 18.7968,
17.9432)**

Conversions

Conversions Part 1

Format	Color
Hex	49836F
RGB	73, 131, 111
RGB Percent	29%, 51%, 44%
CMY	0.7137, 0.4863, 0.5647
CMYK	0.44, 0.00, 0.15, 0.49
HSL	159°, 28%, 40%
HSV	159°, 44%, 51%
XYZ	13.7332, 18.7968, 17.9432
YIQ	111.3780, -28.1480, -18.5160

Conversions

Conversions Part 2

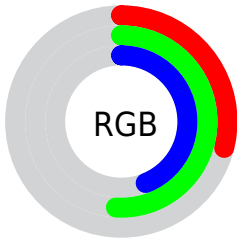
Format	Color
RYB	73, 108, 131
Decimal	4817775
CIELab	50.45, -24.05, 4.92
CIELCh	50, 24.544, 168.445
Yxy	18.7968, 0.2721, 0.3724
Android (android.graphics.Color)	4283007855 (0xFF49836F)
YUV	111.3780, -0.1864, -33.6575
Hunter-Lab	43.3553, -19.3301, 5.8107

Details

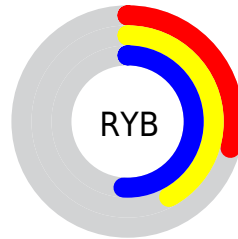
The XYZ color **13.7332, 18.7968, 17.9432** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **13.7191, 10.3812, 11.6374**, and the grayscale version is **15.2261, 16.0191, 17.4448**.

A 20% lighter version of the original color is **32.2088, 41.2853, 40.9216**, and **4.1281, 6.3925, 5.7189** is the 20% darker color. If you saturate the color by 10%, you get **12.6009, 18.2416, 16.6246**, and if you desaturate by 10%, it is **15.0882, 19.4664, 19.3387**.

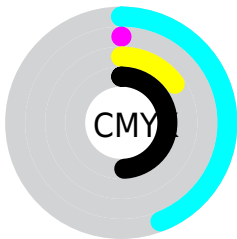
Distribution



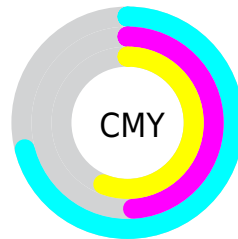
- Red (29%)
- Green (51%)
- Blue (44%)



- Red (29%)
- Yellow (42%)
- Blue (51%)



- Cyan (44%)
- Magenta (0%)
- Yellow (15%)
- Black (49%)



- Cyan (71%)
- Magenta (49%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7332, 18.7968, 17.9432 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 13.7332, 18.7968, 17.9432 by changing the saturation by 10% instead.

■ 13.7332, 18.7968,
17.9432

■ 13.7332, 18.7968,
17.9432

209.1087,
245.3247, 252.7761

■ 8.0158, 11.5235,
10.7402

■ 32.2051, 41.3905,
40.7531

■ 4.1569, 6.4201,
5.7804

■ 45.6903, 57.4796,
57.1972

■ 1.7913, 3.1022,
2.6454

■ 62.4955, 77.2763,
77.5586

■ 0.5124, 1.1853,
0.9158

■ 82.9861, 101.1647,
102.2560

■ 0.0000, 0.0497,
0.0000

■ 107.5273,
129.5294, 131.7079

■ 0.0000, 0.0000,
0.0000

136.4846,

162.7547, 166.3329

170.2232,
201.2250, 206.5494

■ 13.7332, 18.7968,
17.9432

■ 13.7332, 18.7968,
17.9432

■ 12.6009, 18.2416,
16.6246

■ 15.0882, 19.4664,
19.3387

■ 11.6764, 17.7916,
15.3801

■ 16.6767, 20.2543,
20.8113

■ 10.9451, 17.4398,
14.2084

■ 18.5105, 21.1672,
22.3630

■ 10.3902, 17.1775,
13.1077

■ 20.6002, 22.2105,
23.9951

■ 9.9891, 16.9931,
12.0759

■ 22.9558, 23.3894,
25.7090

■ 9.7894, 16.9024,
11.5140

■ 25.5866, 24.7086,
27.5060

■ 28.5016, 26.1727,
29.3873

■ 31.7094, 27.7861,
31.3542

■ 35.2180, 29.5531,
33.4080

Harmonies

Analogous

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



14.6445, 18.7968, 12.9224



13.7332, 18.7968, 17.9432



13.8534, 18.7968, 24.9168

Triad

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



13.7332, 18.7968, 17.9432



19.3587, 18.7968, 35.6521



21.0889, 18.7968, 12.1170

Complementary

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



13.7332, 18.7968, 17.9432



13.7191, 10.3812, 11.6374

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.



22.5865, 18.7968, 16.5805



13.7332, 18.7968, 17.9432



21.5279, 18.7968, 30.4905

Square

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



13.7332, 18.7968, 17.9432



16.9615, 18.7968, 36.2477



22.7540, 18.7968, 23.2160



18.8017, 18.7968, 10.0950

Rectangle

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



13.7332, 18.7968, 17.9432



14.5046, 18.7968, 29.7828



22.7540, 18.7968, 23.2160



21.7098, 18.7968, 13.3290

Sweetspot

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



13.7337, 18.7976, 17.9436



33.4913, 38.0761, 40.3242



13.8641, 19.0573, 9.2513



7.6384, 8.7856, 9.2591



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



13.7337, 18.7976, 17.9436



22.5741, 32.6701, 29.7818



13.8414, 17.0488, 24.0349



4.7352, 5.2523, 5.6167



9.6370, 16.6377, 11.3399



0.0368, 0.0590, 0.0574

Inverse Universe

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



13.7191, 10.3812, 11.6374



22.5509, 15.5817, 17.0102



13.5580, 11.2963, 7.7694



4.7340, 4.7133, 5.2114



9.6843, 4.9381, 2.9100



0.0367, 0.0184, 0.0269

Previews

White Background



This preview shows how the XYZ color 13.7332, 18.7968, 17.9432 looks on a white 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

Black Background



This preview shows how the XYZ color 13.7332, 18.7968, 17.9432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

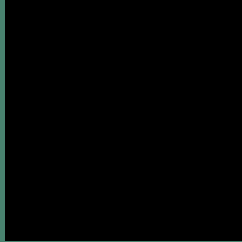
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.7332, 18.7968, 17.9432

Background



This preview shows how black text looks on a background with the XYZ color 13.7332, 18.7968, 17.9432.

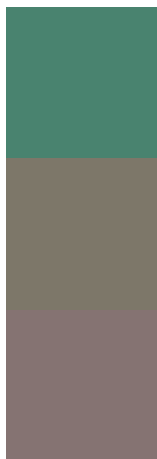


This preview shows how white text looks on a background with the XYZ color 13.7332, 18.7968,

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

13.7332, 18.7968, 17.9432

Protanopia

17.6041, 18.5735, 16.0218

Deuteranopia

18.8409, 18.4629, 18.4903



Tritanopia

15.4851, 18.7192, 26.8418

Trichromacy



Original Color

13.7332, 18.7968, 17.9432

Protanomaly

15.6807, 18.2916, 16.6141

Deuteranomaly

16.3736, 18.2465, 18.2817

Tritanomaly

14.6760, 18.5746, 23.2338

Monochromacy



Original Color

13.7332, 18.7968, 17.9432

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.2774, 16.6460, 17.4994

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7332, 18.7968, 17.9432 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(73, 131, 111)` looks like.

```
.text, #text, p{  
    color:rgb(73, 131, 111)  
}
```

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(73, 131, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 131, 111) }
```

Border

The CSS property to change the border of an element to XYZ 13.7332, 18.7968, 17.9432 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(73, 131, 111) }
```


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

```
.border{ border-color:rgb(73, 131, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 131, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 131, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 131, 111);  
box-shadow:4px 4px 4px 4px rgb(73, 131,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7332, 18.7968, 17.9432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 131, 111) }
```

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

```
.background{ background-color: rgb(73, 131,  
111) }
```

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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