

Converting Colors

XYZ(13.7214, 19.4301, 16.6351)

Have a look what the booklet for
XYZ(13.7214, 19.4301, 16.6351)
contains.

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Color

**XYZ(13.7251, 19.4304,
16.6627)**

Conversions

Conversions Part 1

Format	Color
Hex	47866A
RGB	71, 134, 106
RGB Percent	28%, 53%, 42%
CMY	0.7216, 0.4745, 0.5843
CMYK	0.47, 0.00, 0.21, 0.47
HSL	153°, 31%, 40%
HSV	153°, 47%, 53%
XYZ	13.7251, 19.4304, 16.6627
YIQ	111.9710, -28.5600, -22.0640

Conversions

Conversions Part 2

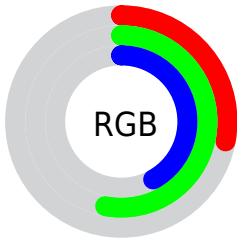
Format	Color
RYB	71, 112, 134
Decimal	4687466
CIELab	51.19, -27.28, 8.86
CIElCh	51, 28.684, 162.003
Yxy	19.4304, 0.2755, 0.3900
Android (android.graphics.Color)	4282877546 (0xFF47866A)
YUV	111.9710, -2.9437, -35.9316
Hunter-Lab	44.0799, -21.5606, 8.4437

Details

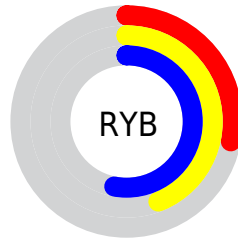
The XYZ color **13.7251, 19.4304, 16.6627** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.3375, 10.4760, 13.0714**, and the grayscale version is **15.4073, 16.2097, 17.6524**.

A 20% lighter version of the original color is **32.2374, 42.6117, 38.4241**, and **4.1734, 6.7666, 5.2238** is the 20% darker color. If you saturate the color by 10%, you get **12.5497, 18.8595, 15.0469**, and if you desaturate by 10%, it is **15.1399, 20.1232, 18.4029**.

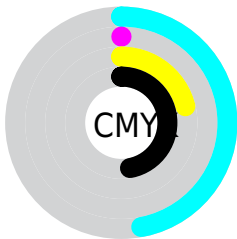
Distribution



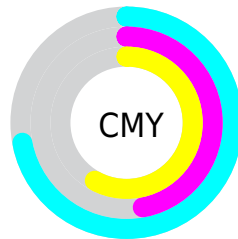
- Red (28%)
- Green (53%)
- Blue (42%)



- Red (28%)
- Yellow (44%)
- Blue (53%)



- Cyan (47%)
- Magenta (0%)
- Yellow (21%)
- Black (47%)



- Cyan (72%)
- Magenta (47%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7251, 19.4304, 16.6627 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 13.7251, 19.4304, 16.6627 by changing the saturation by 10% instead.

■ 13.7251, 19.4304,
16.6627

■ 13.7251, 19.4304,
16.6627

209.0589,
248.8146, 245.1988

■ 8.0101, 11.9817,
9.8349

■ 32.1908, 42.4601,
38.5276

■ 4.1533, 6.7312,
5.1855

■ 45.6723, 58.8099,
54.4018

■ 1.7892, 3.2946,
2.2958

■ 62.4733, 78.8955,
74.1285

■ 0.5112, 1.2874,
0.7289

■ 82.9592, 103.1013,
98.1262

■ 0.0000, 0.1314,
0.0000

■ 107.4953,
131.8118, 126.8136

■ 0.0000, 0.0000,
0.0000

136.4471,

165.4112, 160.6091

170.1799,
204.2840, 199.9314

■ 13.7251, 19.4304,
16.6627

■ 13.7251, 19.4304,
16.6627

■ 12.5497, 18.8595,
15.0469

■ 15.1399, 20.1232,
18.4029

■ 11.5972, 18.4006,
13.5512

■ 16.8059, 20.9425,
20.2689

■ 10.8515, 18.0459,
12.1728


■ 18.7362, 21.8954,
22.2640


■ 10.2936, 17.7857,
10.9086


■ 20.9424, 22.9880,
24.3907


■ 9.8878, 17.6016,
9.7543


■ 23.4354, 24.2257,
26.6516

 9.7765, 17.5514,
9.4298

 26.2255, 25.6139,
29.0491

 29.3224, 27.1575,
31.5857

 32.7356, 28.8613,
34.2637

 36.4739, 30.7299,
37.0852

Harmonies

Analogous

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



15.0339, 19.4304, 11.4948



13.7251, 19.4304, 16.6627



13.6036, 19.4304, 24.5960

Triad

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



13.7251, 19.4304, 16.6627



19.6329, 19.4304, 40.5528



22.8534, 19.4304, 12.2860

Complementary

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



13.7251, 19.4304, 16.6627



14.3375, 10.4760, 13.0714

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.



24.3725, 19.4304, 18.0534



13.7251, 19.4304, 16.6627



22.3889, 19.4304, 35.1159

Square

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



13.7251, 19.4304, 16.6627



16.8239, 19.4304, 39.9000



24.1942, 19.4304, 26.3931



20.2159, 19.4304, 9.4530

Rectangle

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



13.7251, 19.4304, 16.6627



14.1943, 19.4304, 30.6262



24.1942, 19.4304, 26.3931



23.5234, 19.4304, 13.8726

Sweetspot

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



13.7256, 19.4312, 16.6631



34.0134, 39.0724, 40.2166



14.8469, 20.1784, 9.0737



7.5070, 8.7255, 8.9069



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.



13.7256, 19.4312, 16.6631



22.0700, 33.2076, 26.4507



14.9984, 19.2540, 25.4811



4.7165, 5.2448, 5.5183



9.1671, 16.4497, 8.8654



0.0354, 0.0585, 0.0501

Inverse Universe

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



14.3375, 10.4760, 13.0714



23.2842, 15.4825, 19.3574



13.4282, 10.4412, 7.2690



4.7522, 4.7206, 5.3074



9.9723, 5.0533, 4.4263



0.0381, 0.0189, 0.0342

Previews

White Background



This preview shows how the XYZ color 13.7251, 19.4304, 16.6627 looks on a white background.

Color Contrast Check

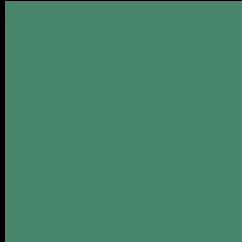
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.7251, 19.4304, 16.6627 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 13.7251, 19.4304, 16.6627

Background



This preview shows how black text looks on a background with the XYZ color 13.7251, 19.4304, 16.6627.



This preview shows how white text looks on a background with the XYZ color 13.7251, 19.4304,

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

13.7251, 19.4304, 16.6627

Protanopia

18.0397, 19.1840, 14.8087

Deuteranopia

19.4923, 19.1667, 17.4240



Tritanopia

15.8921, 19.2994, 27.6985

Trichromacy



Original Color

13.7251, 19.4304, 16.6627

Protanomaly

15.9225, 19.0068, 15.3998

Deuteranomaly

16.6533, 18.7808, 17.2153

Tritanomaly

15.0731, 19.3689, 23.3662

Monochromacy



Original Color

13.7251, 19.4304, 16.6627

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

14.4607, 17.1001, 17.2903

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7251, 19.4304, 16.6627 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(71, 134, 106)` looks like.

```
.text, #text, p{  
    color:rgb(71, 134, 106)  
}
```

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(71, 134, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 134, 106) }
```

Border

The CSS property to change the border of an element to XYZ 13.7251, 19.4304, 16.6627 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(71, 134, 106) }
```


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

```
.border{ border-color:rgb(71, 134, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 134, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 134, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 134, 106);  
box-shadow:4px 4px 4px 4px rgb(71, 134,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7251, 19.4304, 16.6627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 134, 106) }
```

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

```
.background{ background-color: rgb(71, 134,  
106) }
```

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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