

Converting Colors

XYZ(15.6669, 17.8212, 19.0977)

Have a look what the booklet for
XYZ(15.6669, 17.8212, 19.0977)
contains.

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Color

**XYZ(15.6987, 17.8788,
19.1465)**

Conversions

Conversions Part 1

Format	Color
Hex	687974
RGB	104, 121, 116
RGB Percent	41%, 47%, 45%
CMY	0.5922, 0.5255, 0.5451
CMYK	0.14, 0.00, 0.04, 0.53
HSL	162°, 8%, 44%
HSV	162°, 14%, 47%
XYZ	15.6987, 17.8788, 19.1465
YIQ	115.3470, -8.5270, -5.1590

Conversions

Conversions Part 2

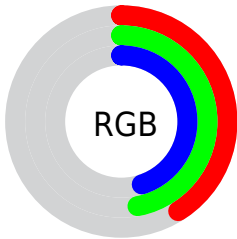
Format	Color
R_{YB}	104, 114, 121
Decimal	6846836
CIE _{Lab}	49.35, -7.34, 0.62
CIE _{LCh}	49, 7.369, 175.160
Yxy	17.8788, 0.2978, 0.3391
Android (android.graphics.Color)	4285036916 (0xFF687974)
YUV	115.3470, 0.3219, -9.9513
Hunter-Lab	42.2833, -7.7234, 2.7510

Details

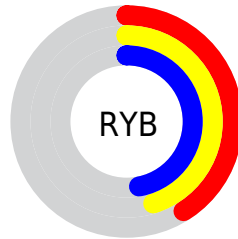
The XYZ color **15.6987, 17.8788, 19.1465** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.5965, 15.0702, 16.5557**, and the grayscale version is **16.4024, 17.2566, 18.7925**.

A 20% lighter version of the original color is **35.5290, 39.6829, 42.8328**, and **5.0481, 5.9219, 6.3458** is the 20% darker color. If you saturate the color by 10%, you get **14.1907, 17.1254, 18.0158**, and if you desaturate by 10%, it is **17.4172, 18.7408, 20.3292**.

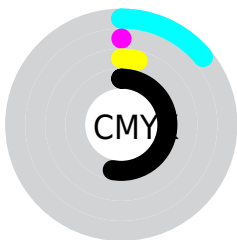
Distribution



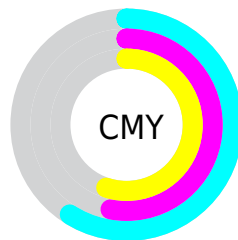
- Red (41%)
- Green (47%)
- Blue (45%)



- Red (41%)
- Yellow (45%)
- Blue (47%)



- Cyan (14%)
- Magenta (0%)
- Yellow (4%)
- Black (53%)



- Cyan (59%)
- Magenta (53%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6987, 17.8788, 19.1465 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 15.6987, 17.8788, 19.1465 by changing the saturation by 10% instead.

■ 15.6987, 17.8788,
19.1465

■ 15.6987, 17.8788,
19.1465

220.8627,
240.1870, 259.7060

■ 9.4007, 10.8630,
11.5983

■ 35.6360, 39.8307,
42.8215

■ 5.0626, 5.9748,
6.3516

■ 50.0061, 55.5356,
59.7854

■ 2.3192, 2.8298,
2.9878

■ 67.7975, 74.9056,
80.7249

■ 0.8045, 1.0435,
1.0884

■ 89.3756, 98.3252,
106.0586

■ 0.0000, 0.0000,
0.0000

115.1059,
126.1788, 136.2050

145.3535,

158.8507, 171.5827

180.4840,
196.7253, 212.6101

■ 15.6987, 17.8788,
19.1465

■ 15.6987, 17.8788,
19.1465

■ 14.1907, 17.1254,
18.0158

■ 17.4172, 18.7408,
20.3292

■ 12.8831, 16.4738,
16.9351

■ 19.3529, 19.7134,
21.5637

■ 11.7671, 15.9202,
15.9039

■ 21.5139, 20.8012,
22.8509

■ 10.8328, 15.4593,
14.9212

■ 23.9075, 22.0079,
24.1919

■ 10.0692, 15.0855,
13.9861

■ 26.5407, 23.3372,
25.5873

■ 9.4642, 14.7927,
13.0974

■ 29.4202, 24.7925,
27.0378

■ 9.0040, 14.5737,
12.2542

■ 32.5523, 26.3771,
28.5441

■ 8.6695, 14.4186,
11.4548

■ 35.9432, 28.0941,
30.1071

■ 8.4935, 14.3377,
10.9982

■ 39.5989, 29.9466,
31.7273

Harmonies

Analogous

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



15.9220, 17.8788, 17.3655



15.6987, 17.8788, 19.1465



15.8145, 17.8788, 21.1364

Triad

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



15.6987, 17.8788, 19.1465



17.5666, 17.8788, 23.1328



17.7666, 17.8788, 16.4974

Complementary

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



15.6987, 17.8788, 19.1465



15.5965, 15.0702, 16.5557

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.



18.2292, 17.8788, 17.8878



15.6987, 17.8788, 19.1465



18.1115, 17.8788, 21.7315

Square

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



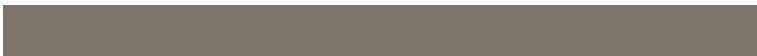
15.6987, 17.8788, 19.1465



16.8810, 17.8788, 23.5263



18.3571, 17.8788, 19.7910



17.1060, 17.8788, 15.9037

Rectangle

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



15.6987, 17.8788, 19.1465



16.0701, 17.8788, 22.3028



18.3571, 17.8788, 19.7910



17.9511, 17.8788, 16.8823

Sweetspot

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



15.6992, 17.8795, 19.1469



31.1720, 33.5501, 36.3918



15.6557, 17.9326, 15.7332



7.0800, 7.6474, 8.2895



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



15.6992, 17.8795, 19.1469



27.1591, 31.5392, 33.5917



15.5921, 17.1871, 20.5858



4.0592, 4.4933, 4.8455



9.0965, 15.3623, 11.7592



43.0055, 73.1252, 54.0602

Inverse Universe

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



15.5965, 15.0702, 16.5557



26.9363, 25.4397, 27.9668



15.6840, 15.6640, 15.2938



4.0423, 4.0327, 4.4206



8.7803, 4.4883, 2.1343



41.5533, 21.2777, 8.4439

Previews

White Background



This preview shows how the XYZ color 15.6987, 17.8788, 19.1465 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 15.6987, 17.8788, 19.1465 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

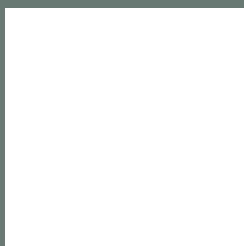
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.6987, 17.8788, 19.1465

Background



This preview shows how black text looks on a background with the XYZ color 15.6987, 17.8788, 19.1465.



This preview shows how white text looks on a background with the XYZ color 15.6987, 17.8788,

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

15.6987, 17.8788, 19.1465

Protanopia

17.1443, 17.9306, 18.4769

Deuteranopia

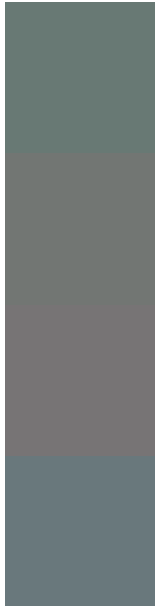
18.0772, 17.7075, 19.6046



Tritanopia

16.5031, 17.8428, 23.3431

Trichromacy



Original Color

15.6987, 17.8788, 19.1465

Protanomaly

16.5124, 17.7721, 18.7797

Deuteranomaly

17.0640, 17.6971, 19.3461

Tritanomaly

16.1803, 17.8914, 21.6694

Monochromacy



Original Color

15.6987, 17.8788, 19.1465

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.0113, 17.3399, 18.7227

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6987, 17.8788, 19.1465 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(104, 121, 116)` looks like.

```
.text, #text, p{  
    color:rgb(104, 121, 116)  
}
```

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(104, 121, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 121, 116) }
```

Border

The CSS property to change the border of an element to XYZ 15.6987, 17.8788, 19.1465 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(104, 121, 116) }
```


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

```
.border{ border-color:rgb(104, 121, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 121, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 121, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 121, 116);  
box-shadow:4px 4px 4px 4px rgb(104, 121,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6987, 17.8788, 19.1465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 121, 116) }
```

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

```
.background{ background-color: rgb(104,  
121, 116) }
```

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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