

Converting Colors

XYZ(15.9887, 16.9003, 15.9381)

Have a look what the booklet for
XYZ(15.9887, 16.9003, 15.9381)
contains.

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Color

**XYZ(15.9550, 16.8571,
16.0485)**

Conversions

Conversions Part 1

Format	Color
Hex	75726A
RGB	117, 114, 106
RGB Percent	46%, 45%, 42%
CMY	0.5412, 0.5529, 0.5843
CMYK	0.00, 0.03, 0.09, 0.54
HSL	44°, 5%, 44%
HSV	44°, 9%, 46%
XYZ	15.9550, 16.8571, 16.0485
YIQ	113.9850, 4.3560, -1.8520

Conversions

Conversions Part 2

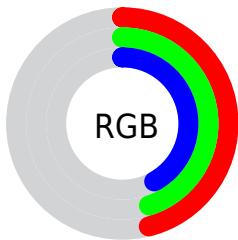
Format	Color
R_{YB}	110, 117, 106
Decimal	7697002
CIE Lab	48.08, -0.39, 4.84
CIE LCh	48, 4.851, 94.570
Yxy	16.8571, 0.3265, 0.3450
Android (android.graphics.Color)	4285887082 (0xFF75726A)
YUV	113.9850, -3.9366, 2.6442
Hunter-Lab	41.0574, -2.4849, 5.5649

Details

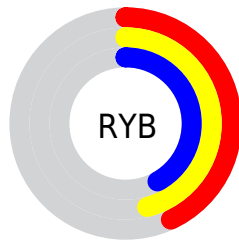
The XYZ color **15.9550, 16.8571, 16.0485** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.6235, 15.2858, 19.0097**, and the grayscale version is **16.0006, 16.8339, 18.3321**.

A 20% lighter version of the original color is **36.0842, 38.1418, 37.3585**, and **5.1919, 5.4774, 4.9213** is the 20% darker color. If you saturate the color by 10%, you get **15.0343, 15.9237, 12.9418**, and if you desaturate by 10%, it is **16.9722, 17.8503, 19.5975**.

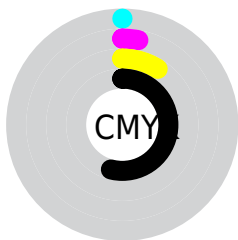
Distribution



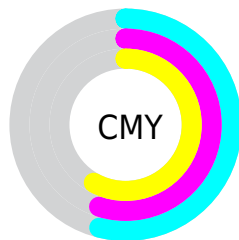
- Red (46%)
- Green (45%)
- Blue (42%)



- Red (43%)
- Yellow (46%)
- Blue (42%)



- Cyan (0%)
- Magenta (3%)
- Yellow (9%)
- Black (54%)



- Cyan (54%)
- Magenta (55%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9550, 16.8571, 16.0485 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 15.9550, 16.8571, 16.0485 by changing the saturation by 10% instead.

■ 15.9550, 16.8571,
16.0485

■ 15.9550, 16.8571,
16.0485

222.3516,
234.3475, 241.4832

■ 9.5830, 10.1327,
9.4038

■ 36.0781, 38.0799,
37.4503

■ 5.1835, 5.4870,
4.9051

■ 50.5600, 53.3471,
53.0445

■ 2.3912, 2.5357,
2.1339

■ 68.4757, 72.2306,
72.4589

■ 0.8407, 0.8945,
0.6358

■ 90.1908, 95.1149,
96.1121

■ 0.0000, 0.0000,
0.0000

116.0706,
122.3843, 124.4226

146.4805,

154.4233, 157.8089

181.7857,
191.6163, 196.6896

■ 15.9550, 16.8571,
16.0485

■ 15.9550, 16.8571,
16.0485

■ 15.0343, 15.9237,
12.9418

■ 16.9722, 17.8503,
19.5975

■ 14.2052, 15.0463,
10.2585

■ 18.0879, 18.9025,
23.6042

■ 13.4646, 14.2239,
7.9803

■ 19.3055, 20.0161,
28.0848

■ 12.8084, 13.4548,
6.0869

■ 20.6281, 21.1922,
33.0544

■ 12.2324, 12.7370,
4.5563

■ 22.0585, 22.4324,
38.5272

■ 11.7318, 12.0685,
3.3642

■ 23.5993, 23.7378,
44.5170

■ 11.3014, 11.4467,
2.4834

■ 25.2533, 25.1096,
51.0371

■ 10.9350, 10.8692,
1.8824

■ 27.0229, 26.5491,
58.1002

■ 10.6121, 10.3275,
1.4542

■ 28.9107, 28.0575,
65.7186

Harmonies

Analogous

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



16.3874, 16.8571, 16.2566



15.9550, 16.8571, 16.0485



15.5479, 16.8571, 16.4349

Triad

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



15.9550, 16.8571, 16.0485



15.3371, 16.8571, 19.7608



16.7967, 16.8571, 19.4124

Complementary

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



15.9550, 16.8571, 16.0485



14.6235, 15.2858, 19.0097

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.



16.5060, 16.8571, 20.4181



15.9550, 16.8571, 16.0485



15.6624, 16.8571, 20.6256

Square

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



15.9550, 16.8571, 16.0485



15.1953, 16.8571, 18.5478



16.0895, 16.8571, 20.8715



16.8785, 16.8571, 18.1626

Rectangle

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



15.9550, 16.8571, 16.0485



15.3441, 16.8571, 16.9884



16.0895, 16.8571, 20.8715



16.7199, 16.8571, 19.7920

Sweetspot

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



15.9555, 16.8578, 16.0489



29.7022, 31.2984, 32.6632



15.2571, 15.1969, 16.6304



6.7991, 7.1669, 7.4051



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



15.9555, 16.8578, 16.0489



28.2476, 29.8641, 27.6315



15.9831, 17.3825, 16.1487



3.8863, 4.1055, 3.9299



11.6580, 11.3173, 1.5700



56.0710, 53.6705, 7.4042

Inverse Universe

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



14.6235, 15.2858, 19.0097



25.4199, 26.5268, 33.9174



14.5963, 14.8049, 18.9183



3.5744, 3.7374, 4.6232



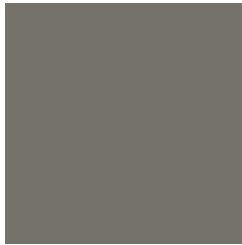
4.0918, 2.5232, 18.8139



19.3142, 11.0449, 91.4742

Previews

White Background



This preview shows how the XYZ color 15.9550, 16.8571, 16.0485 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 15.9550, 16.8571, 16.0485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

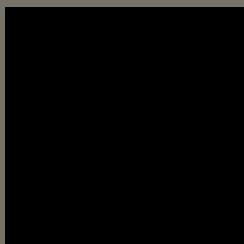
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

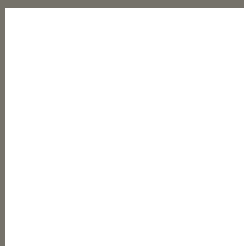
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.9550, 16.8571, 16.0485

Background



This preview shows how black text looks on a background with the XYZ color 15.9550, 16.8571, 16.0485.



This preview shows how white text looks on a background with the XYZ color 15.9550, 16.8571,

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

15.9550, 16.8571, 16.0485

Protanopia

16.0900, 16.9268, 16.0548

Deuteranopia

17.1319, 16.8026, 16.2502



Tritanopia

16.8531, 16.8908, 20.4611

Trichromacy



Original Color

15.9550, 16.8571, 16.0485

Protanomaly

16.0900, 16.9268, 16.0548

Deuteranomaly

16.6505, 16.7155, 16.2588

Tritanomaly

16.5287, 16.9228, 18.9183

Monochromacy



Original Color

15.9550, 16.8571, 16.0485

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.9568, 16.8272, 17.4459

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9550, 16.8571, 16.0485 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(117, 114, 106)` looks like.

```
.text, #text, p{  
    color:rgb(117, 114, 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(117, 114, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 114, 106) }
```

Border

The CSS property to change the border of an element to XYZ 15.9550, 16.8571, 16.0485 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(117, 114, 106) }
```


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

```
.border{ border-color:rgb(117, 114, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 114, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 114, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 114, 106);  
box-shadow:4px 4px 4px 4px rgb(117, 114,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9550, 16.8571, 16.0485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 114, 106) }
```

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

```
.background{ background-color: rgb(117,  
114, 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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