

Converting Colors

XYZ(15.5254, 17.7090, 13.0569)

Have a look what the booklet for
XYZ(15.5254, 17.7090, 13.0569)
contains.

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Color

**XYZ(15.5023, 17.7340,
12.9619)**

Conversions

Conversions Part 1

Format	Color
Hex	71785D
RGB	113, 120, 93
RGB Percent	44%, 47%, 36%
CMY	0.5569, 0.5294, 0.6353
CMYK	0.06, 0.00, 0.23, 0.53
HSL	76°, 13%, 42%
HSV	76°, 23%, 47%
XYZ	15.5023, 17.7340, 12.9619
YIQ	114.8290, 4.4950, -9.8810

Conversions

Conversions Part 2

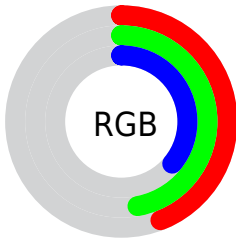
Format	Color
RYB	93, 120, 100
Decimal	7436381
CIELab	49.17, -7.73, 13.98
CIELCh	49, 15.974, 118.937
Yxy	17.7340, 0.3356, 0.3839
Android (android.graphics.Color)	4285626461 (0xFF71785D)
YUV	114.8290, -10.7617, -1.6040
Hunter-Lab	42.1118, -7.9856, 11.2289

Details

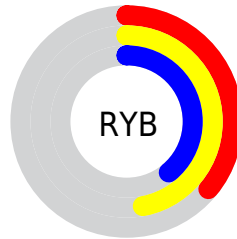
The XYZ color **15.5023, 17.7340, 12.9619** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **12.5608, 11.8946, 19.4042**, and the grayscale version is **16.2749, 17.1225, 18.6464**.

A 20% lighter version of the original color is **35.2275, 39.4876, 31.7518**, and **5.0104, 5.9638, 3.5764** is the 20% darker color. If you saturate the color by 10%, you get **14.6185, 17.3356, 10.3604**, and if you desaturate by 10%, it is **16.4842, 18.1744, 16.0042**.

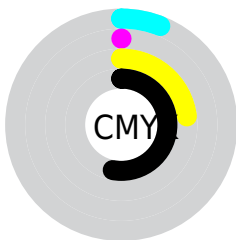
Distribution



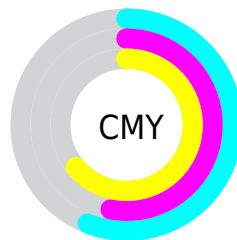
- Red (44%)
- Green (47%)
- Blue (36%)



- Red (36%)
- Yellow (47%)
- Blue (39%)



- Cyan (6%)
- Magenta (0%)
- Yellow (23%)
- Black (53%)



- Cyan (56%)
- Magenta (53%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.5023, 17.7340, 12.9619 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 15.5023, 17.7340, 12.9619 by changing the saturation by 10% instead.

■ 15.5023, 17.7340,
12.9619

■ 15.5023, 17.7340,
12.9619

219.7153,
239.3674, 221.8726

■ 9.2613, 10.7592,
7.2719

■ 35.2965, 39.5835,
31.9255

■ 4.9705, 5.9051,
3.5517

■ 49.5803, 55.2271,
46.0362

■ 2.2645, 2.7875,
1.3828

■ 67.2758, 74.5289,
63.7908

■ 0.7764, 1.0218,
0.1282

■ 88.7483, 97.8736,
85.6080

■ 0.0000, 0.0000,
0.0000

114.3631,
125.6453, 111.9062

144.4856,

158.2286, 143.1040

179.4813,
196.0079, 179.6200

■ 15.5023, 17.7340,
12.9619

■ 15.5023, 17.7340,
12.9619

■ 14.6185, 17.3356,
10.3604

■ 16.4842, 18.1744,
16.0042

■ 13.8275, 16.9753,
8.1781

■ 17.5665, 18.6560,
19.5053

■ 13.1253, 16.6521,
6.3933

■ 18.7533, 19.1810,
23.4835

■ 12.5072, 16.3640,
4.9820

■ 20.0480, 19.7508,
27.9559

■ 11.9680, 16.1091,
3.9174

■ 21.4537, 20.3666,
32.9386

■ 11.5018, 15.8848,
3.1693

■ 22.9736, 21.0298,
38.4471

■ 11.1016, 15.6885,
2.7015

■ 24.6104, 21.7414,
44.4962

■ 10.8251, 15.5516,
2.4312

■ 26.3671, 22.5027,
51.1001

■ 28.2464, 23.3147,
58.2723

Harmonies

Analogous

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



16.9090, 17.7340, 12.1906



15.5023, 17.7340, 12.9619



14.5106, 17.7340, 15.3643

Triad

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



15.5023, 17.7340, 12.9619



15.4151, 17.7340, 27.2572



19.8971, 17.7340, 19.4625

Complementary

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



15.5023, 17.7340, 12.9619



12.5608, 11.8946, 19.4042

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.



19.4406, 17.7340, 23.8777



15.5023, 17.7340, 12.9619



16.8024, 17.7340, 28.7686

Square

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



15.5023, 17.7340, 12.9619



14.4624, 17.7340, 23.5741



18.2855, 17.7340, 27.4499



19.4994, 17.7340, 15.5926

Rectangle

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



15.5023, 17.7340, 12.9619



14.1882, 17.7340, 17.7718



18.2855, 17.7340, 27.4499



19.8380, 17.7340, 20.9330

Sweetspot

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



15.5028, 17.7348, 12.9623



29.9831, 32.4058, 31.3261



14.2554, 13.8504, 12.2783



7.0869, 7.6715, 7.3630



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.



15.5028, 17.7348, 12.9623



26.4416, 30.8196, 20.3412



13.9208, 16.9193, 12.8882



4.2111, 4.5841, 4.2874



11.7954, 16.9580, 2.6515



55.4393, 80.4654, 12.6094

Inverse Universe

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



12.5608, 11.8946, 19.4042



20.3061, 18.6370, 33.7801



14.1474, 12.7126, 19.4785



3.8861, 3.9392, 4.9987



4.3069, 1.7930, 19.5044



19.8536, 8.1969, 93.0056

Previews

White Background



This preview shows how the XYZ color 15.5023, 17.7340, 12.9619 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 15.5023, 17.7340, 12.9619 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

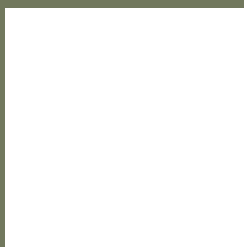
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.5023, 17.7340, 12.9619

Background



This preview shows how black text looks on a background with the XYZ color 15.5023, 17.7340, 12.9619.



This preview shows how white text looks on a background with the XYZ color 15.5023, 17.7340,

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

15.5023, 17.7340, 12.9619

Protanopia

16.5618, 17.7630, 12.4532

Deuteranopia

18.0131, 17.6488, 13.2836



Tritanopia

17.2832, 17.7534, 21.9179

Trichromacy



Original Color

15.5023, 17.7340, 12.9619

Protanomaly

16.1559, 17.7226, 12.6945

Deuteranomaly

17.0532, 17.6588, 13.0994

Tritanomaly

16.5444, 17.6278, 18.1533

Monochromacy



Original Color

15.5023, 17.7340, 12.9619

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

15.9546, 17.3615, 16.4201

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5023, 17.7340, 12.9619 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(113, 120, 93)` looks like.

```
.text, #text, p{  
    color:rgb(113, 120, 93)  
}
```

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(113, 120, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 120, 93) }
```

Border

The CSS property to change the border of an element to XYZ 15.5023, 17.7340, 12.9619 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(113, 120, 93) }
```


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

```
.border{ border-color:rgb(113, 120, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 120, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 120, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 120, 93);  
box-shadow:4px 4px 4px 4px rgb(113, 120,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 15.5023, 17.7340, 12.9619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 120, 93) }
```

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

```
.background{ background-color: rgb(113,  
120, 93) }
```

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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