

Converting Colors

XYZ(16.3210, 16.0233, 21.6900)

Have a look what the booklet for
XYZ(16.3210, 16.0233, 21.6900)
contains.

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Color

**XYZ(16.2667, 15.9188,
21.6173)**

Conversions

Conversions Part 1

Format	Color
Hex	746C7D
RGB	116, 108, 125
RGB Percent	45%, 42%, 49%
CMY	0.5451, 0.5765, 0.5098
CMYK	0.07, 0.14, 0.00, 0.51
HSL	268°, 7%, 46%
HSV	268°, 14%, 49%
XYZ	16.2667, 15.9188, 21.6173
YIQ	112.3300, -0.6890, 6.9830

Conversions

Conversions Part 2

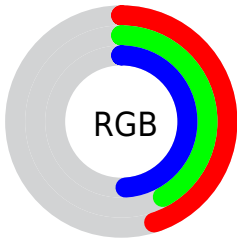
Format	Color
R_{YB}	116, 108, 125
Decimal	7629949
CIE _{Lab}	46.87, 6.62, -8.28
CIE _{LCh}	47, 10.603, 308.640
Yxy	15.9188, 0.3023, 0.2959
Android (android.graphics.Color)	4285820029 (0xFF746C7D)
YUV	112.3300, 6.2463, 3.2186
Hunter-Lab	39.8984, 2.9529, -4.1950

Details

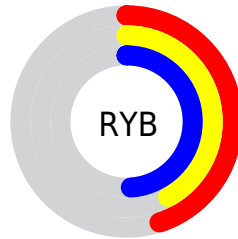
The XYZ color **16.2667, 15.9188, 21.6173** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.3770, 19.5322, 17.0424**, and the grayscale version is **15.4808, 16.2870, 17.7366**.

A 20% lighter version of the original color is **36.5825, 36.3355, 47.2048**, and **5.3571, 5.0882, 7.5373** is the 20% darker color. If you saturate the color by 10%, you get **14.1932, 13.0315, 21.1695**, and if you desaturate by 10%, it is **18.5928, 19.2178, 22.1317**.

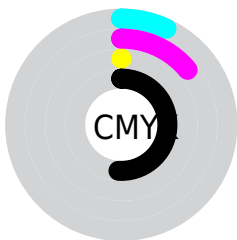
Distribution



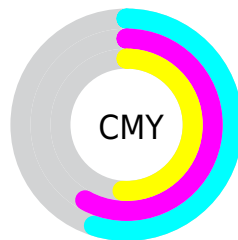
- Red (45%)
- Green (42%)
- Blue (49%)



- Red (45%)
- Yellow (42%)
- Blue (49%)



- Cyan (7%)
- Magenta (14%)
- Yellow (0%)
- Black (51%)



- Cyan (55%)
- Magenta (58%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2667, 15.9188, 21.6173 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 16.2667, 15.9188, 21.6173 by changing the saturation by 10% instead.

■ 16.2667, 15.9188,
21.6173

■ 16.2667, 15.9188,
21.6173

224.1499,
228.8621, 273.4292

■ 9.8051, 9.4667,
13.3803

■ 36.6143, 36.4572,
47.0067

■ 5.3312, 5.0468,
7.5572

■ 51.2310, 51.3123,
64.9962

■ 2.4796, 2.2748,
3.7292

■ 69.2969, 69.7371,
87.0737

■ 0.8850, 0.7603,
1.4780

■ 91.1772, 92.1162,
113.6577

■ 0.0000, 0.0000,
0.2015

117.2373,
118.8338, 145.1667

■ 0.0000, 0.0000,
0.0000

147.8425,

150.2744, 182.0192

183.3583,
186.8224, 224.6339

■ 16.2667, 15.9188,
21.6173

■ 16.2667, 15.9188,
21.6173

■ 14.1932, 13.0315,
21.1695

■ 18.5928, 19.2178,
22.1317

■ 12.3617, 10.5373,
20.7846

■ 21.1790, 22.9423,
22.7143

■ 10.7628, 8.4189,
20.4600

■ 24.0340, 27.1077,
23.3678

■ 9.3856, 6.6571,
20.1925

■ 27.1659, 31.7282,
24.0946

■ 8.2188, 5.2310,
19.9788

■ 30.5821, 36.8173,
24.8969

7.2494, 4.1170,
19.8148

34.2901, 42.3880,
25.7767

6.4632, 3.2889,
19.6964

38.2968, 48.4526,
26.7361

5.8420, 2.7130,
19.6180

42.6091, 55.0231,
27.7770

5.4946, 2.4050,
19.5769

47.2334, 62.1111,
28.9014

Harmonies

Analogous

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



15.3987, 15.9188, 22.8638



16.2667, 15.9188, 21.6173



16.8455, 15.9188, 19.2524

Triad

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



16.2667, 15.9188, 21.6173



15.7865, 15.9188, 13.0141



13.4414, 15.9188, 18.1083

Complementary

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



16.2667, 15.9188, 21.6173



17.3770, 19.5322, 17.0424

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.



13.5358, 15.9188, 15.5454



16.2667, 15.9188, 21.6173



14.8651, 15.9188, 12.7746

Square

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



16.2667, 15.9188, 21.6173



16.5605, 15.9188, 14.3467



14.0482, 15.9188, 13.6556



13.7850, 15.9188, 20.7070

Rectangle

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



16.2667, 15.9188, 21.6173



16.9763, 15.9188, 17.4539



14.0482, 15.9188, 13.6556



13.4233, 15.9188, 17.2124

Sweetspot

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



16.2672, 15.9195, 21.6176



33.0764, 34.1018, 39.5834



16.2556, 17.4075, 21.9055



7.4594, 7.6651, 8.9894



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



16.2672, 15.9195, 21.6176



28.0499, 26.9928, 38.4761



17.4396, 16.5239, 21.6725



4.2863, 4.3032, 5.4180



5.7266, 2.5059, 20.4318



0.0000, 0.0000, 0.0000

Inverse Universe

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



17.0314, 16.3701, 19.0924



29.6823, 27.9556, 33.0727



16.2944, 18.9741, 16.9917



4.4155, 4.3793, 4.9923



9.8554, 4.9618, 5.8282



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.2667, 15.9188, 21.6173 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 16.2667, 15.9188, 21.6173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

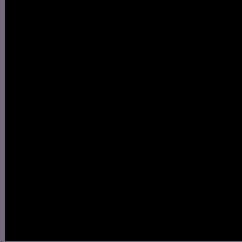
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.2667, 15.9188, 21.6173

Background



This preview shows how black text looks on a background with the XYZ color 16.2667, 15.9188, 21.6173.



This preview shows how white text looks on a background with the XYZ color 16.2667, 15.9188,

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

16.2667, 15.9188, 21.6173

Protanopia

15.5262, 15.8464, 21.9790

Deuteranopia

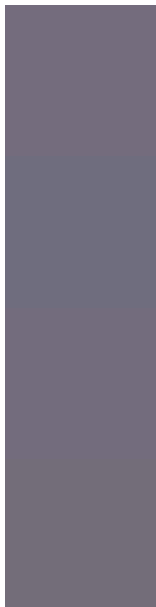
16.1345, 15.8506, 21.6111



Tritanopia

15.8089, 15.8901, 19.3734

Trichromacy



Original Color

16.2667, 15.9188, 21.6173

Protanomaly

15.7901, 15.8231, 21.9606

Deuteranomaly

16.1345, 15.8506, 21.6111

Tritanomaly

15.9901, 15.9626, 20.3275

Monochromacy



Original Color

16.2667, 15.9188, 21.6173

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.7054, 16.1639, 19.1218

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2667, 15.9188, 21.6173 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(116, 108, 125)` looks like.

```
.text, #text, p{  
    color:rgb(116, 108, 125)  
}
```

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(116, 108, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 108, 125) }
```

Border

The CSS property to change the border of an element to XYZ 16.2667, 15.9188, 21.6173 is called "border". The border property can be set on classes, ids or directly on the HTML element.

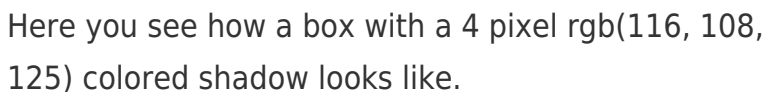
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 108, 125) }
```


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

```
.border{ border-color:rgb(116, 108, 125) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 108, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 108, 125); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 108, 125); box-shadow:4px 4px 4px 4px rgb(116, 108, 125) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2667, 15.9188, 21.6173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 108, 125) }
```

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

```
.background{ background-color: rgb(116,  
108, 125) }
```

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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