

Converting Colors

XYZ(16.1832, 15.6319, 20.9447)

Have a look what the booklet for
XYZ(16.1832, 15.6319, 20.9447)
contains.

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Color

**XYZ(16.2004, 15.5897,
20.8941)**

Conversions

Conversions Part 1

Format	Color
Hex	766A7B
RGB	118, 106, 123
RGB Percent	46%, 42%, 48%
CMY	0.5373, 0.5843, 0.5176
CMYK	0.04, 0.14, 0.00, 0.52
HSL	282°, 7%, 45%
HSV	282°, 14%, 48%
XYZ	16.2004, 15.5897, 20.8941
YIQ	111.5260, 1.6950, 7.8310

Conversions

Conversions Part 2

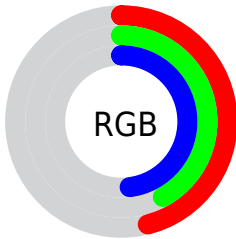
Format	Color
R_{YB}	118, 106, 123
Decimal	7760507
CIE Lab	46.43, 8.12, -7.72
CIE LCh	46, 11.206, 316.465
Yxy	15.5897, 0.3075, 0.2959
Android (android.graphics.Color)	4285950587 (0xFF766A7B)
YUV	111.5260, 5.6567, 5.6777
Hunter-Lab	39.4838, 4.1428, -3.7365

Details

The XYZ color **16.2004, 15.5897, 20.8941** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.2406, 18.5864, 16.3680**, and the grayscale version is **15.2465, 16.0405, 17.4681**.

A 20% lighter version of the original color is **36.3724, 35.7551, 45.5418**, and **5.3258, 4.9244, 7.1484** is the 20% darker color. If you saturate the color by 10%, you get **14.5409, 12.9859, 20.4792**, and if you desaturate by 10%, it is **18.0615, 18.5682, 21.3712**.

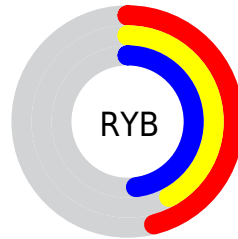
Distribution



Red (46%)

Green (42%)

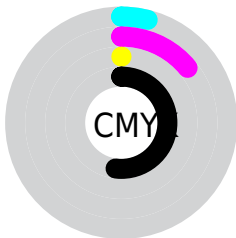
Blue (48%)



Red (46%)

Yellow (42%)

Blue (48%)

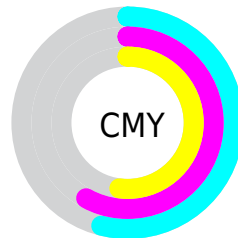


Cyan (4%)

Magenta (14%)

Yellow (0%)

Black (52%)



Cyan (54%)

Magenta (58%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2004, 15.5897, 20.8941 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 16.2004, 15.5897, 20.8941 by changing the saturation by 10% instead.

■ 16.2004, 15.5897,
20.8941

■ 16.2004, 15.5897,
20.8941

223.7686,
226.9083, 269.4777

■ 9.7578, 9.2343,
12.8561

■ 36.5004, 35.8844,
45.7897

■ 5.2997, 4.8943,
7.2000

■ 51.0885, 50.5925,
63.4844

■ 2.4607, 2.1854,
3.5071

■ 69.1226, 68.8536,
85.2352

■ 0.8755, 0.7120,
1.3591

■ 90.9678, 91.0522,
111.4604

■ 0.0000, 0.0000,
0.1095

116.9897,
117.5725, 142.5788

■ 0.0000, 0.0000,
0.0000

147.5536,

148.7990, 179.0087

183.0247,
185.1162, 221.1689

■ 16.2004, 15.5897,
20.8941

■ 16.2004, 15.5897,
20.8941

■ 14.5409, 12.9859,
20.4792

■ 18.0615, 18.5682,
21.3712

■ 13.0737, 10.7393,
20.1229

■ 20.1303, 21.9341,
21.9118

■ 11.7908, 8.8339,
19.8227

■ 22.4143, 25.7017,
22.5186

■ 10.6830, 7.2518,
19.5758

■ 24.9202, 29.8842,
23.1939

■ 9.7404, 5.9734,
19.3787

■ 27.6543, 34.4941,
23.9396

8.9520, 4.9768,
19.2279

30.6229, 39.5434,
24.7577

8.3051, 4.2372,
19.1192

33.8318, 45.0436,
25.6502

7.7831, 3.7218,
19.0472

37.2867, 51.0057,
26.6189

7.4890, 3.4477,
19.0098

40.9930, 57.4405,
27.6656

Harmonies

Analogous

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



15.3484, 15.5897, 22.5828



16.2004, 15.5897, 20.8941



16.6910, 15.5897, 18.2457

Triad

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



16.2004, 15.5897, 20.8941



15.2550, 15.5897, 12.3245



13.1123, 15.5897, 18.5219

Complementary

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



16.2004, 15.5897, 20.8941



16.2406, 18.5864, 16.3680

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.



13.0898, 15.5897, 15.7638



16.2004, 15.5897, 20.8941



14.2991, 15.5897, 12.3813

Square

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



16.2004, 15.5897, 20.8941



16.1295, 15.5897, 13.4141



13.5157, 15.5897, 13.5786



13.5788, 15.5897, 21.1151

Rectangle

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



16.2004, 15.5897, 20.8941



16.7340, 15.5897, 16.3846



13.5157, 15.5897, 13.5786



13.0533, 15.5897, 17.5785

Sweetspot

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



16.2009, 15.5904, 20.8944



32.2453, 33.0925, 38.2446



15.2150, 15.8856, 21.0034



7.5404, 7.7069, 8.9932



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.



16.2009, 15.5904, 20.8944



27.9010, 26.1641, 37.1363



16.6888, 15.8661, 19.8255



4.0451, 4.0211, 5.0061



7.7417, 3.5638, 19.6651



36.0470, 16.5449, 93.7634

Inverse Universe

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



16.1922, 15.6674, 17.2104



27.8971, 26.3431, 28.9593



15.8093, 18.3432, 17.2892



4.0423, 4.0327, 4.4206



8.7802, 4.4882, 2.1335



41.5527, 21.2774, 8.4406

Previews

White Background



This preview shows how the XYZ color 16.2004, 15.5897, 20.8941 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 16.2004, 15.5897, 20.8941 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 16.2004, 15.5897, 20.8941

Background



This preview shows how black text looks on a background with the XYZ color 16.2004, 15.5897, 20.8941.



This preview shows how white text looks on a background with the XYZ color 16.2004, 15.5897,

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

16.2004, 15.5897, 20.8941

Protanopia

15.3547, 15.6061, 21.6050

Deuteranopia

15.9031, 15.5903, 20.9099



Tritanopia

15.7462, 15.5583, 18.6961

Trichromacy



Original Color

16.2004, 15.5897, 20.8941

Protanomaly

15.6827, 15.6251, 21.2582

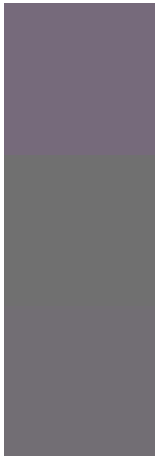
Deuteranomaly

16.0353, 15.6585, 20.9161

Tritanomaly

15.9236, 15.6292, 19.6302

Monochromacy



Original Color

16.2004, 15.5897, 20.8941

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.6677, 15.9902, 18.7836

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2004, 15.5897, 20.8941 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(118, 106, 123)` looks like.

```
.text, #text, p{  
    color:rgb(118, 106, 123)  
}
```

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(118, 106, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 106, 123) }
```

Border

The CSS property to change the border of an element to XYZ 16.2004, 15.5897, 20.8941 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(118, 106, 123) }
```


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

```
.border{ border-color:rgb(118, 106, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 106, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 106, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 106, 123);  
box-shadow:4px 4px 4px 4px rgb(118, 106,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2004, 15.5897, 20.8941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 106, 123) }
```

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

```
.background{ background-color: rgb(118,  
106, 123) }
```

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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