

Converting Colors

XYZ(16.2955, 15.7780, 21.5886)

Have a look what the booklet for
XYZ(16.2955, 15.7780, 21.5886)
contains.

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Color

**XYZ(16.2955, 15.7780,
21.5886)**

Conversions

Conversions Part 1

Format	Color
Hex	756B7D
RGB	117, 107, 125
RGB Percent	46%, 42%, 49%
CMY	0.5412, 0.5804, 0.5098
CMYK	0.06, 0.14, 0.00, 0.51
HSL	273°, 8%, 45%
HSV	273°, 14%, 49%
XYZ	16.2955, 15.7780, 21.5886
YIQ	112.0420, 0.1820, 7.7180

Conversions

Conversions Part 2

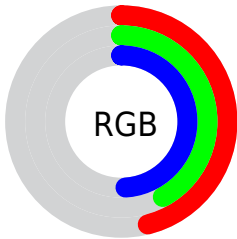
Format	Color
R_{YB}	117, 107, 125
Decimal	7695229
CIE Lab	46.68, 7.59, -8.55
CIE LCh	47, 11.431, 311.578
Yxy	15.7780, 0.3037, 0.2940
Android (android.graphics.Color)	4285885309 (0xFF756B7D)
YUV	112.0420, 6.3883, 4.3482
Hunter-Lab	39.7215, 3.7158, -4.4190

Details

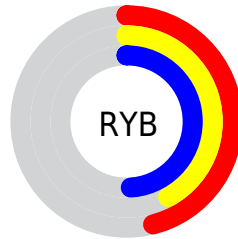
The XYZ color **16.2955, 15.7780, 21.5886** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.0583, 19.3740, 16.7512**, and the grayscale version is **15.3957, 16.1974, 17.6390**.

A 20% lighter version of the original color is **36.6249, 36.1031, 47.1577**, and **5.3746, 5.0187, 7.5229** is the 20% darker color. If you saturate the color by 10%, you get **14.3610, 12.9843, 21.1516**, and if you desaturate by 10%, it is **18.4637, 18.9727, 22.0912**.

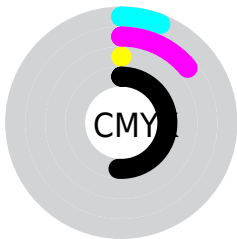
Distribution



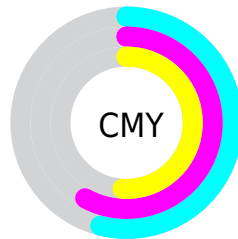
- Red (46%)
- Green (42%)
- Blue (49%)



- Red (46%)
- Yellow (42%)
- Blue (49%)



- Cyan (6%)
- Magenta (14%)
- Yellow (0%)
- Black (51%)



- Cyan (54%)
- Magenta (58%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2955, 15.7780, 21.5886 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 16.2955, 15.7780, 21.5886 by changing the saturation by 10% instead.

■ 16.2955, 15.7780,
21.5886

■ 16.2955, 15.7780,
21.5886

224.3154,
228.0282, 273.2733

■ 9.8257, 9.3672,
13.3595

■ 36.6638, 36.2124,
46.9585

■ 5.3449, 4.9815,
7.5429

■ 51.2929, 51.0047,
64.9364

■ 2.4878, 2.2364,
3.7204

■ 69.3725, 69.3597,
87.0011

■ 0.8891, 0.7397,
1.4732

■ 91.2680, 91.6618,
113.5709

■ 0.0000, 0.0000,
0.1979

117.3447,
118.2952, 145.0645

■ 0.0000, 0.0000,
0.0000

147.9679,

149.6445, 181.9004

183.5030,
186.0940, 224.4972

■ 16.2955, 15.7780,
21.5886

■ 16.2955, 15.7780,
21.5886

■ 14.3610, 12.9843,
21.1516

■ 18.4637, 18.9727,
22.0912

■ 12.6499, 10.5731,
20.7763

■ 20.8725, 22.5820,
22.6609

■ 11.1533, 8.5274,
20.4604

■ 23.5302, 26.6211,
23.3005

■ 9.8611, 6.8282,
20.2005

■ 26.4443, 31.1041,
24.0122

■ 8.7623, 5.4545,
19.9933

■ 29.6220, 36.0441,
24.7982

7.8445, 4.3832,
19.8348

33.0702, 41.4540,
25.6607

7.0940, 3.5879,
19.7209

36.7954, 47.3460,
26.6016

6.4916, 3.0318,
19.6453

40.8040, 53.7318,
27.6229

6.1873, 2.7621,
19.6093

45.1023, 60.6229,
28.7265

Harmonies

Analogous

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



15.3818, 15.7780, 23.0924



16.2955, 15.7780, 21.5886



16.8759, 15.7780, 18.9605

Triad

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



16.2955, 15.7780, 21.5886



15.6061, 15.7780, 12.5093



13.2080, 15.7780, 18.2970

Complementary

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



16.2955, 15.7780, 21.5886



17.0583, 19.3740, 16.7512

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.



13.2621, 15.7780, 15.5138



16.2955, 15.7780, 21.5886



14.6177, 15.7780, 12.3734

Square

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



16.2955, 15.7780, 21.5886



16.4659, 15.7780, 13.8099



13.7685, 15.7780, 13.4158



13.6172, 15.7780, 21.0571

Rectangle

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



16.2955, 15.7780, 21.5886



16.9808, 15.7780, 17.0299



13.7685, 15.7780, 13.4158



13.1731, 15.7780, 17.3301

Sweetspot

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



16.2960, 15.7787, 21.5889



33.1873, 34.1590, 39.5885



15.9078, 16.8914, 21.8242



7.4885, 7.6801, 8.9908



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.



16.2960, 15.7787, 21.5889



28.0946, 26.6737, 38.4122



17.3600, 16.3338, 21.3400



4.3194, 4.3202, 5.4195



6.4494, 2.8785, 20.4656



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.8102, 16.1139, 18.4447



29.2015, 27.3945, 31.6775



16.0991, 18.8740, 16.9548



4.4010, 4.3736, 4.9162



9.5574, 4.8427, 4.2590



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.2955, 15.7780, 21.5886 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 16.2955, 15.7780, 21.5886 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 16.2955, 15.7780, 21.5886

Background



This preview shows how black text looks on a background with the XYZ color 16.2955, 15.7780, 21.5886.



This preview shows how white text looks on a background with the XYZ color 16.2955, 15.7780,

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

16.2955, 15.7780, 21.5886

Protanopia

15.5910, 15.8723, 22.3206

Deuteranopia

16.1345, 15.8506, 21.6111



Tritanopia

15.7759, 15.7225, 19.0329

Trichromacy



Original Color

16.2955, 15.7780, 21.5886

Protanomaly

15.7901, 15.8231, 21.9606

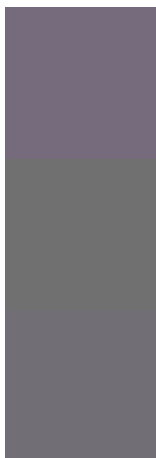
Deuteranomaly

16.2667, 15.9188, 21.6173

Tritanomaly

15.9552, 15.7942, 19.9770

Monochromacy



Original Color

16.2955, 15.7780, 21.5886

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.7262, 16.0136, 19.0917

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2955, 15.7780, 21.5886 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, 107, 125)` looks like.

```
.text, #text, p{  
    color:rgb(117, 107, 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(117, 107, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 107, 125) }
```

Border

The CSS property to change the border of an element to XYZ 16.2955, 15.7780, 21.5886 is called "border". The border property can be set on classes, ids or directly on the HTML element.

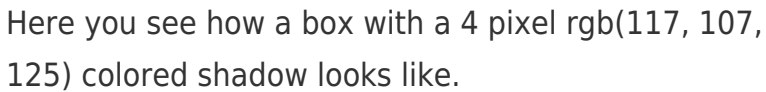
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 107, 125) }
```


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

```
.border{ border-color:rgb(117, 107, 125) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 107, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 107, 125); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 107, 125); box-shadow:4px 4px 4px 4px rgb(117, 107, 125) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2955, 15.7780, 21.5886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 107, 125) }
```

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

```
.background{ background-color: rgb(117,  
107, 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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