

Converting Colors

XYZ(16.8375, 15.2687, 19.8126)

Have a look what the booklet for
XYZ(16.8375, 15.2687, 19.8126)
contains.

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Color

**XYZ(16.7962, 15.1755,
19.8132)**

Conversions

Conversions Part 1

Format	Color
Hex	7F6578
RGB	127, 101, 120
RGB Percent	50%, 40%, 47%
CMY	0.5020, 0.6039, 0.5294
CMYK	0.00, 0.20, 0.06, 0.50
HSL	316°, 11%, 45%
HSV	316°, 20%, 50%
XYZ	16.7962, 15.1755, 19.8132
YIQ	110.9400, 9.3970, 11.4210

Conversions

Conversions Part 2

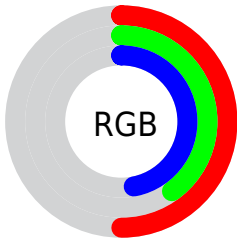
Format	Color
R_{YB}	127, 101, 120
Decimal	8349048
CIE Lab	45.87, 13.89, -6.66
CIE LCh	46, 15.399, 334.391
Yxy	15.1755, 0.3243, 0.2930
Android (android.graphics.Color)	4286539128 (0xFF7F6578)
YUV	110.9400, 4.4666, 14.0846
Hunter-Lab	38.9557, 8.7897, -2.8863

Details

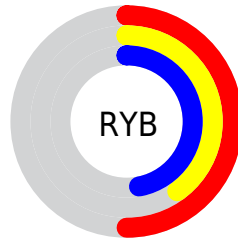
The XYZ color **16.7962, 15.1755, 19.8132** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.6636, 19.0285, 17.0355**, and the grayscale version is **15.0780, 15.8632, 17.2750**.

A 20% lighter version of the original color is **37.4970, 35.1383, 43.8358**, and **5.6308, 4.7259, 6.7463** is the 20% darker color. If you saturate the color by 10%, you get **15.4534, 12.8159, 18.3601**, and if you desaturate by 10%, it is **18.3379, 17.9205, 21.3696**.

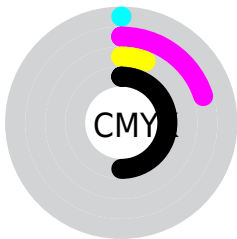
Distribution



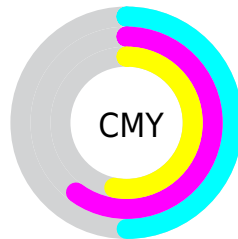
- Red (50%)
- Green (40%)
- Blue (47%)



- Red (50%)
- Yellow (40%)
- Blue (47%)



- Cyan (0%)
- Magenta (20%)
- Yellow (6%)
- Black (50%)



- Cyan (50%)
- Magenta (60%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7962, 15.1755, 19.8132 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 16.7962, 15.1755, 19.8132 by changing the saturation by 10% instead.

■ 16.7962, 15.1755,
19.8132

■ 16.7962, 15.1755,
19.8132

227.1744,
224.4260, 263.4728

■ 10.1837, 8.9426,
12.0766

■ 37.5214, 35.1608,
43.9586

■ 5.5841, 4.7038,
6.6727

■ 52.3649, 49.6820,
61.2045

■ 2.6321, 2.0745,
3.1829

■ 70.6827, 67.7347,
82.4573

■ 0.9624, 0.6502,
1.1888

■ 92.8402, 89.7035,
108.1354

■ 0.0000, 0.0000,
0.0000

119.2027,
115.9726, 138.6575

150.1357,

146.9265, 174.4421

186.0045,
182.9495, 215.9076

■ 16.7962, 15.1755,
19.8132

■ 16.7962, 15.1755,
19.8132

■ 15.4534, 12.8159,
18.3601

■ 18.3379, 17.9205,
21.3696

■ 14.2994, 10.8224,
17.0058

■ 20.0853, 21.0653,
23.0313

■ 13.3250, 9.1766,
15.7474

■ 22.0467, 24.6260,
24.8016

■ 12.5201, 7.8580,
14.5808

■ 24.2295, 28.6171,
26.6834

■ 11.8731, 6.8441,
13.5018

■ 26.6406, 33.0525,
28.6794

■ 11.3712, 6.1091,
12.5059

■ 29.2867, 37.9456,
30.7920

■ 10.9994, 5.6232,
11.5876

■ 32.1742, 43.3089,
33.0239

■ 10.7196, 5.2989,
10.7687

■ 35.3093, 49.1547,
35.3773

■ 38.6980, 55.4948,
37.8546

Harmonies

Analogous

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



15.8816, 15.1755, 23.1593



16.7962, 15.1755, 19.8132



17.0611, 15.1755, 15.9817

Triad

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



16.7962, 15.1755, 19.8132



14.2334, 15.1755, 10.3668



12.4588, 15.1755, 20.9036

Complementary

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



16.7962, 15.1755, 19.8132



15.6636, 19.0285, 17.0355

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.



12.0734, 15.1755, 17.0775



16.7962, 15.1755, 19.8132



13.0582, 15.1755, 11.2944

Square

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



16.7962, 15.1755, 19.8132



15.5309, 15.1755, 10.8746



12.2861, 15.1755, 13.6198



13.3707, 15.1755, 23.8523

Rectangle

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



16.7962, 15.1755, 19.8132



16.8210, 15.1755, 13.7413



12.2861, 15.1755, 13.6198



12.2660, 15.1755, 19.6581

Sweetspot

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



16.7966, 15.1762, 19.8135



34.1466, 34.4385, 39.5319



14.6614, 14.0245, 22.0130



7.9570, 7.9953, 9.2195



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



16.7966, 15.1762, 19.8135



28.8027, 24.9267, 34.1247



16.0639, 14.8831, 15.9551



4.4503, 4.3933, 5.1757



10.8104, 5.3439, 10.8574



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.7966, 15.1762, 19.8135



28.8027, 24.9267, 34.1247



16.4038, 19.3245, 20.9335



4.4503, 4.3933, 5.1757



10.8104, 5.3439, 10.8574



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.7962, 15.1755, 19.8132 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 16.7962, 15.1755, 19.8132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

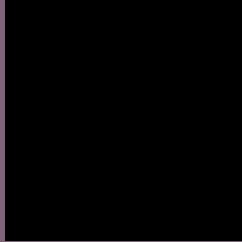
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.7962, 15.1755, 19.8132

Background



This preview shows how black text looks on a background with the XYZ color 16.7962, 15.1755, 19.8132.



This preview shows how white text looks on a background with the XYZ color 16.7962, 15.1755,

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

16.7962, 15.1755, 19.8132

Protanopia

14.9445, 15.2445, 21.2236

Deuteranopia

15.5540, 15.2848, 19.5832



Tritanopia

16.3237, 15.2838, 17.1286

Trichromacy



Original Color

16.7962, 15.1755, 19.8132

Protanomaly

15.5662, 15.1106, 20.8351

Deuteranomaly

15.8878, 15.1545, 19.5405

Tritanomaly

16.3928, 15.1533, 17.9805

Monochromacy



Original Color

16.7962, 15.1755, 19.8132

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.6311, 15.5122, 18.0899

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7962, 15.1755, 19.8132 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(127, 101, 120)` looks like.

```
.text, #text, p{  
    color:rgb(127, 101, 120)  
}
```

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(127, 101, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 101, 120) }
```

Border

The CSS property to change the border of an element to XYZ 16.7962, 15.1755, 19.8132 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(127, 101, 120) }
```


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

```
.border{ border-color:rgb(127, 101, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 101, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 101, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 101, 120);  
box-shadow:4px 4px 4px 4px rgb(127, 101,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7962, 15.1755, 19.8132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 101, 120) }
```

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

```
.background{ background-color: rgb(127,  
101, 120) }
```

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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