

Converting Colors

XYZ(15.8585, 16.6396, 15.8949)

Have a look what the booklet for
XYZ(15.8585, 16.6396, 15.8949)
contains.

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Color

**XYZ(15.8428, 16.6328,
16.0111)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 75716A |
| RGB | 117, 113, 106 |
| RGB Percent | 46%, 44%, 42% |
| CMY | 0.5412, 0.5569, 0.5843 |
| CMYK | 0.00, 0.03, 0.09, 0.54 |
| HSL | 38°, 5%, 44% |
| HSV | 38°, 9%, 46% |
| XYZ | 15.8428, 16.6328, 16.0111 |
| YIQ | 113.3980, 4.6310, -1.3290 |

Conversions

Conversions Part 2

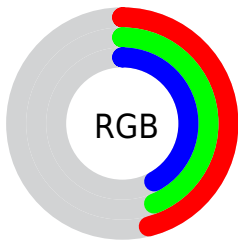
| Format | Color |
|-------------------------------------|------------------------------|
| R_{YB} | 112, 117, 106 |
| Decimal | 7696746 |
| CIE Lab | 47.79, 0.20, 4.43 |
| CIE LCh | 48, 4.430, 87.465 |
| Yxy | 16.6328, 0.3267, 0.3430 |
| Android (android.graphics.Color) | 4285886826 (0xFF75716A) |
| YUV | 113.3980, -3.6472, 3.1590 |
| Hunter-Lab | 40.7833, -2.0302, 5.2717 |

Details

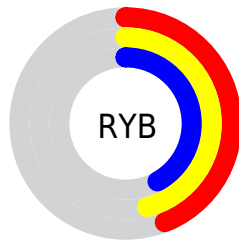
The XYZ color **15.8428, 16.6328, 16.0111** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.7307, 15.5001, 19.0453**, and the grayscale version is **15.8243, 16.6484, 18.1301**.

A 20% lighter version of the original color is **35.9031, 37.7796, 37.2982**, and **5.1340, 5.3616, 4.9020** is the 20% darker color. If you saturate the color by 10%, you get **14.8122, 15.4797, 12.8678**, and if you desaturate by 10%, it is **16.9796, 17.8650, 19.5999**.

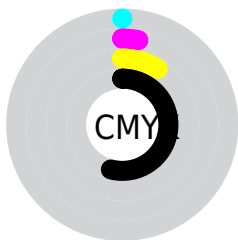
Distribution



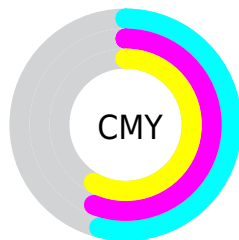
- Red (46%)
- Green (44%)
- Blue (42%)



- Red (44%)
- Yellow (46%)
- Blue (42%)



- Cyan (0%)
- Magenta (3%)
- Yellow (9%)
- Black (54%)



- Cyan (54%)
- Magenta (56%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8428, 16.6328, 16.0111 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 15.8428, 16.6328, 16.0111 by changing the saturation by 10% instead.

■ 15.8428, 16.6328,
16.0111

■ 15.8428, 16.6328,
16.0111

221.7010,
233.0473, 241.2552

■ 9.5031, 9.9730,
9.3776

■ 35.8847, 37.6933,
37.3845

■ 5.1305, 5.3811,
4.8881

■ 50.3177, 52.8629,
52.9615

■ 2.3596, 2.4725,
2.1242

■ 68.1792, 71.6379,
72.3567

■ 0.8249, 0.8628,
0.6301

■ 89.8344, 94.4026,
95.9887

■ 0.0000, 0.0000,
0.0000

115.6489,
121.5415, 124.2760

145.9879,

153.4390, 157.6371

181.2168,
190.4795, 196.4907

■ 15.8428, 16.6328,
16.0111

■ 15.8428, 16.6328,
16.0111

■ 14.8122, 15.4797,
12.8678

■ 16.9796, 17.8650,
19.5999

■ 13.8828, 14.4017,
10.1511

■ 18.2246, 19.1760,
23.6497

■ 13.0512, 13.3973,
7.8426

■ 19.5816, 20.5684,
28.1768

■ 12.3132, 12.4645,
5.9219

■ 21.0538, 22.0437,
33.1962

■ 11.6643, 11.6010,
4.3670

■ 22.6441, 23.6037,
38.7223

■ 11.0996, 10.8041,
3.1535

■ 24.3553, 25.2499,
44.7689

■ 10.6136, 10.0713,
2.2542

■ 26.1904, 26.9840,
51.3493

■ 10.2000, 9.3994,
1.6375

■ 28.1519, 28.8073,
58.4763

■ 9.8381, 8.7796,
1.1962

■ 30.2425, 30.7213,
66.1623

Harmonies

Analogous

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



16.2235, 16.6328, 16.3275



15.8428, 16.6328, 16.0111



15.4592, 16.6328, 16.2373

Triad

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



15.8428, 16.6328, 16.0111



15.1407, 16.6328, 19.1383



16.4619, 16.6328, 19.3128

Complementary

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



15.8428, 16.6328, 16.0111



14.7307, 15.5001, 19.0453

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.



16.1640, 16.6328, 20.1220



15.8428, 16.6328, 16.0111



15.4016, 16.6328, 20.0183

Square

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



15.8428, 16.6328, 16.0111



15.0579, 16.6328, 18.0137



15.7752, 16.6328, 20.3854



16.5846, 16.6328, 18.2073

Rectangle

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



15.8428, 16.6328, 16.0111



15.2527, 16.6328, 16.6709



15.7752, 16.6328, 20.3854



16.3787, 16.6328, 19.6302

Sweetspot

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



15.8433, 16.6335, 16.0115



29.6348, 31.1636, 32.6407



15.3067, 15.2167, 16.8920



6.7801, 7.1289, 7.3988



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



15.8433, 16.6335, 16.0115



28.0085, 29.3859, 27.5518



16.1036, 17.4445, 16.1543



3.8601, 4.0531, 3.9212



10.8012, 9.6037, 1.2844



51.8002, 45.1289, 5.9806

Inverse Universe

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



14.7307, 15.5001, 19.0453



25.6464, 26.9798, 33.9929



14.4848, 14.7475, 18.9130



3.5995, 3.7877, 4.6316



4.4565, 3.2527, 18.9355



20.9655, 14.3475, 92.0246

Previews

White Background



This preview shows how the XYZ color 15.8428, 16.6328, 16.0111 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 15.8428, 16.6328, 16.0111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

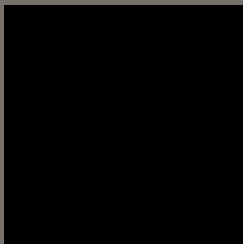
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

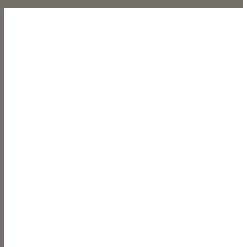
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.8428, 16.6328, 16.0111

Background



This preview shows how black text looks on a background with the XYZ color 15.8428, 16.6328, 16.0111.



This preview shows how white text looks on a background with the XYZ color 15.8428, 16.6328,

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

15.8428, 16.6328, 16.0111

Protanopia

15.8428, 16.6328, 16.0111

Deuteranopia

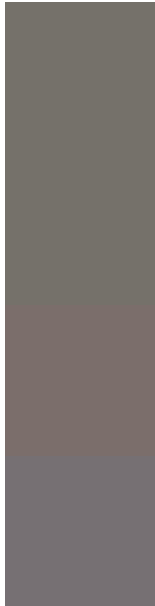
16.8749, 16.5108, 16.2074



Tritanopia

16.6824, 16.6469, 20.1032

Trichromacy



Original Color

15.8428, 16.6328, 16.0111

Protanomaly

15.8428, 16.6328, 16.0111

Deuteranomaly

16.3982, 16.4244, 16.2159

Tritanomaly

16.3599, 16.6777, 18.5765

Monochromacy



Original Color

15.8428, 16.6328, 16.0111

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.6590, 16.5135, 17.1139

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8428, 16.6328, 16.0111 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, 113, 106)` looks like.

```
.text, #text, p{  
    color:rgb(117, 113, 106)  
}
```

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, 113, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 113, 106) }
```

Border

The CSS property to change the border of an element to XYZ 15.8428, 16.6328, 16.0111 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, 113, 106) }
```


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

```
.border{ border-color:rgb(117, 113, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 113, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 113, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 113, 106);  
box-shadow:4px 4px 4px 4px rgb(117, 113,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8428, 16.6328, 16.0111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 113, 106) }
```

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

```
.background{ background-color: rgb(117,  
113, 106) }
```

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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