

Converting Colors

XYZ(16.8065, 16.6440, 22.5768)

Have a look what the booklet for
XYZ(16.8065, 16.6440, 22.5768)
contains.

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Color

**XYZ(16.7832, 16.6404,
22.7494)**

Conversions

Conversions Part 1

Format	Color
Hex	746F80
RGB	116, 111, 128
RGB Percent	45%, 44%, 50%
CMY	0.5451, 0.5647, 0.4980
CMYK	0.09, 0.13, 0.00, 0.50
HSL	258°, 7%, 47%
HSV	258°, 13%, 50%
XYZ	16.7832, 16.6404, 22.7494
YIQ	114.4330, -2.4770, 6.3470

Conversions

Conversions Part 2

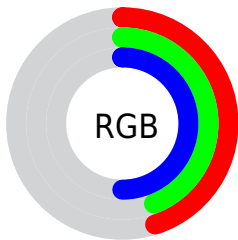
Format	Color
R_{YB}	116, 111, 128
Decimal	7630720
CIE Lab	47.80, 5.49, -8.67
CIE LCh	48, 10.265, 302.361
Yxy	16.6404, 0.2988, 0.2962
Android (android.graphics.Color)	4285820800 (0xFF746F80)
YUV	114.4330, 6.6885, 1.3743
Hunter-Lab	40.7926, 2.0526, -4.5102

Details

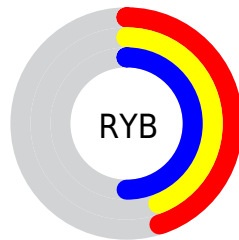
The XYZ color **16.7832, 16.6404, 22.7494** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.7573, 20.7974, 18.0654**, and the grayscale version is **16.1058, 16.9446, 18.4526**.

A 20% lighter version of the original color is **37.5861, 37.8554, 49.0419**, and **5.5727, 5.3485, 8.1358** is the 20% darker color. If you saturate the color by 10%, you get **14.3422, 13.4555, 22.2636**, and if you desaturate by 10%, it is **19.5422, 20.2872, 23.3082**.

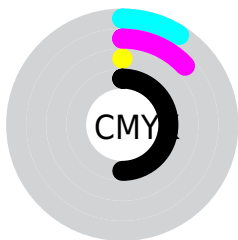
Distribution



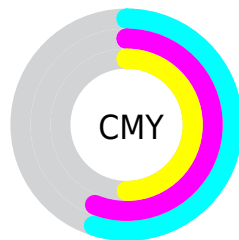
- Red (45%)
- Green (44%)
- Blue (50%)



- Red (45%)
- Yellow (44%)
- Blue (50%)



- Cyan (9%)
- Magenta (13%)
- Yellow (0%)
- Black (50%)



- Cyan (55%)
- Magenta (56%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7832, 16.6404, 22.7494 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 16.7832, 16.6404, 22.7494 by changing the saturation by 10% instead.

■ 16.7832, 16.6404,
22.7494

■ 16.7832, 16.6404,
22.7494

227.1006,
233.0915, 279.5153

■ 10.1744, 9.9784,
14.2050

■ 37.4992, 37.7065,
48.8995

■ 5.5779, 5.3847,
8.1230

■ 52.3371, 52.8793,
67.3423

■ 2.6284, 2.4747,
4.0849

■ 70.6488, 71.6580,
89.9216

■ 0.9604, 0.8639,
1.6720

■ 92.7995, 94.4268,
117.0560

■ 0.0000, 0.0000,
0.3415

119.1547,
121.5702, 149.1640

■ 0.0000, 0.0000,
0.0000

150.0797,

153.4725, 186.6642

185.9399,
190.5181, 229.9752

■ 16.7832, 16.6404,
22.7494

■ 16.7832, 16.6404,
22.7494

■ 14.3422, 13.4555,
22.2636

■ 19.5422, 20.2872,
23.3082

■ 12.2060, 10.7119,
21.8466

■ 22.6288, 24.4115,
23.9415

■ 10.3624, 8.3901,
21.4956

■ 26.0542, 29.0305,
24.6526

■ 8.7981, 6.4689,
21.2072

■ 29.8285, 34.1602,
25.4438

■ 7.4984, 4.9246,
20.9776

■ 33.9614, 39.8156,
26.3175

■ 6.4473, 3.7314,
20.8027

■ 38.4621, 46.0112,
27.2762

■ 5.6270, 2.8599,
20.6777

■ 43.3395, 52.7609,
28.3220

■ 5.0161, 2.2744,
20.5969

■ 48.6025, 60.0783,
29.4570

■ 4.6825, 1.9638,
20.5546

■ 54.2592, 67.9761,
30.6833

Harmonies

Analogous

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



15.8893, 16.6404, 23.6734



16.7832, 16.6404, 22.7494



17.4376, 16.6404, 20.5748

Triad

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



16.7832, 16.6404, 22.7494



16.6521, 16.6404, 13.9865



14.1119, 16.6404, 18.3283

Complementary

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



16.7832, 16.6404, 22.7494



18.7573, 20.7974, 18.0654

Split Complementary

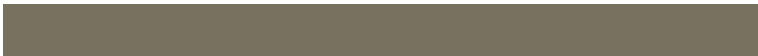
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



14.2986, 16.6404, 15.8661



16.7832, 16.6404, 22.7494



15.7434, 16.6404, 13.5087

Square

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



16.7832, 16.6404, 22.7494



17.3598, 16.6404, 15.5371



14.8871, 16.6404, 14.1631



14.3669, 16.6404, 20.9712

Rectangle

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



16.7832, 16.6404, 22.7494



17.6372, 16.6404, 18.8012



14.8871, 16.6404, 14.1631



14.1251, 16.6404, 17.4527

Sweetspot

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



16.7837, 16.6411, 22.7498



33.9908, 35.1659, 40.9525



17.5581, 19.1500, 23.1932



7.8793, 8.1286, 9.5720



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.



16.7837, 16.6411, 22.7498



28.1637, 27.4816, 39.7764



17.9393, 17.2368, 22.8038



4.2185, 4.2683, 5.4148



4.6442, 1.9479, 20.3812



0.0000, 0.0000, 0.0000

Inverse Universe

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



18.1622, 17.3888, 21.1387



31.1068, 29.0789, 36.2990



17.6176, 20.2098, 18.0121



4.4459, 4.3915, 5.1528



10.6728, 5.2888, 10.1326



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.7832, 16.6404, 22.7494 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 16.7832, 16.6404, 22.7494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

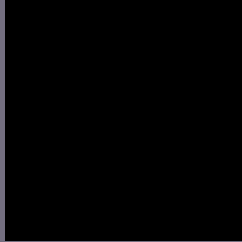
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.7832, 16.6404, 22.7494

Background



This preview shows how black text looks on a background with the XYZ color 16.7832, 16.6404, 22.7494.



This preview shows how white text looks on a background with the XYZ color 16.7832, 16.6404,

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

16.7832, 16.6404, 22.7494

Protanopia

16.4231, 16.7747, 23.1411

Deuteranopia

16.9434, 16.5619, 22.7258



Tritanopia

16.3156, 16.6137, 20.4360

Trichromacy



Original Color

16.7832, 16.6404, 22.7494

Protanomaly

16.5667, 16.6840, 23.1161

Deuteranomaly

16.8083, 16.4923, 22.7195

Tritanomaly

16.5025, 16.6884, 21.4202

Monochromacy



Original Color

16.7832, 16.6404, 22.7494

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.3051, 16.7870, 19.8336

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7832, 16.6404, 22.7494 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, 111, 128)` looks like.

```
.text, #text, p{  
    color:rgb(116, 111, 128)  
}
```

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, 111, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 111, 128) }
```

Border

The CSS property to change the border of an element to XYZ 16.7832, 16.6404, 22.7494 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, 111, 128) }
```


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

```
.border{ border-color:rgb(116, 111, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 111, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 111, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 111, 128);  
box-shadow:4px 4px 4px 4px rgb(116, 111,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7832, 16.6404, 22.7494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 111, 128) }
```

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

```
.background{ background-color: rgb(116,  
111, 128) }
```

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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