

Converting Colors

XYZ(16.0235, 16.2623, 16.4475)

Have a look what the booklet for
XYZ(16.0235, 16.2623, 16.4475)
contains.

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Color

**XYZ(16.0284, 16.2276,
16.4748)**

Conversions

Conversions Part 1

Format	Color
Hex	786E6C
RGB	120, 110, 108
RGB Percent	47%, 43%, 42%
CMY	0.5294, 0.5686, 0.5765
CMYK	0.00, 0.08, 0.10, 0.53
HSL	10°, 5%, 45%
HSV	10°, 10%, 47%
XYZ	16.0284, 16.2276, 16.4748
YIQ	112.7620, 6.6020, 1.4980

Conversions

Conversions Part 2

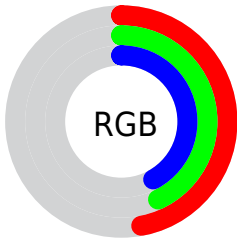
Format	Color
R_{YB}	120, 110, 108
Decimal	7892588
CIE Lab	47.27, 3.52, 2.52
CIE LCh	47, 4.324, 35.568
Yxy	16.2276, 0.3289, 0.3330
Android (android.graphics.Color)	4286082668 (0xFF786E6C)
YUV	112.7620, -2.3477, 6.3477
Hunter-Lab	40.2835, 0.5272, 3.9505

Details

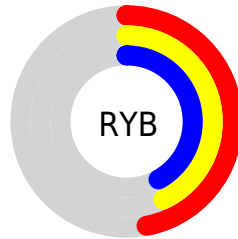
The XYZ color **16.0284, 16.2276, 16.4748** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.0529, 17.5008, 20.3014**, and the grayscale version is **15.6312, 16.4453, 17.9089**.

A 20% lighter version of the original color is **36.1916, 37.1145, 38.0572**, and **5.1635, 5.1218, 5.1313** is the 20% darker color. If you saturate the color by 10%, you get **14.4148, 13.9529, 13.0000**, and if you desaturate by 10%, it is **17.8526, 18.7823, 20.4540**.

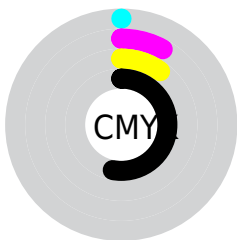
Distribution



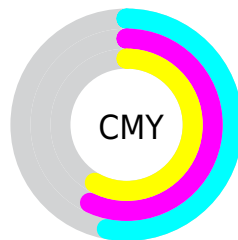
- Red (47%)
- Green (43%)
- Blue (42%)



- Red (47%)
- Yellow (43%)
- Blue (42%)



- Cyan (0%)
- Magenta (8%)
- Yellow (10%)
- Black (53%)



- Cyan (53%)
- Magenta (57%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0284, 16.2276, 16.4748 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 16.0284, 16.2276, 16.4748 by changing the saturation by 10% instead.

■ 16.0284, 16.2276,
16.4748

■ 16.0284, 16.2276,
16.4748

222.7763,
230.6810, 244.0680

■ 9.6352, 9.6854,
9.7028

■ 36.2045, 36.9929,
38.1987

■ 5.2182, 5.1908,
5.0993

■ 50.7182, 51.9847,
53.9877

■ 2.4119, 2.3597,
2.2459

■ 68.6695, 70.5618,
73.6194

■ 0.8510, 0.8050,
0.7007

■ 90.4236, 93.1087,
97.5124

■ 0.0000, 0.0000,
0.0000

116.3460,
120.0096, 126.0852

146.8020,

151.6491, 159.7564

182.1570,
188.4114, 198.9445

■ 16.0284, 16.2276,
16.4748

■ 16.0284, 16.2276,
16.4748

■ 14.4148, 13.9529,
13.0000

■ 17.8526, 18.7823,
20.4540

■ 13.0028, 11.9467,
10.0083

■ 19.8932, 21.6240,
24.9555

■ 11.7848, 10.1997,
7.4786

■ 22.1575, 24.7619,
29.9976

■ 10.7523, 8.7011,
5.3878

■ 24.6521, 28.2044,
35.5976

■ 9.8959, 7.4396,
3.7108

■ 27.3832, 31.9592,
41.7718

■ 9.2055, 6.4030,
2.4198

■ 30.3570, 36.0342,
48.5359

■ 8.6701, 5.5778,
1.4838

■ 33.5792, 40.4366,
55.9051

■ 8.2769, 4.9492,
0.8669

■ 37.0554, 45.1736,
63.8938

■ 7.9963, 4.4942,
0.4460

■ 40.7912, 50.2521,
72.5163

Harmonies

Analogous

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



16.1657, 16.2276, 17.4660



16.0284, 16.2276, 16.4748



15.7293, 16.2276, 15.8242

Triad

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



16.0284, 16.2276, 16.4748



14.7654, 16.2276, 16.8141



15.4951, 16.2276, 19.8441

Complementary

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



16.0284, 16.2276, 16.4748



16.0529, 17.5008, 20.3014

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.



15.1224, 16.2276, 19.6521



16.0284, 16.2276, 16.4748



14.7051, 16.2276, 17.8738

Square

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



16.0284, 16.2276, 16.4748



15.0010, 16.2276, 16.0144



14.8347, 16.2276, 18.9198



15.8546, 16.2276, 19.4341

Rectangle

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



16.0284, 16.2276, 16.4748



15.4806, 16.2276, 15.6558



14.8347, 16.2276, 18.9198



15.3672, 16.2276, 19.8480

Sweetspot

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



16.0289, 16.2283, 16.4751



30.3733, 31.6006, 33.7273



16.3785, 16.0264, 19.3699



7.1424, 7.4110, 7.8711



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



16.0289, 16.2283, 16.4751



27.5083, 27.5816, 27.4972



16.6981, 17.5667, 16.6982



4.0474, 4.1132, 4.2051



8.7155, 4.8870, 0.4839



41.1403, 22.4440, 2.1638

Inverse Universe

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



16.0529, 17.5008, 20.3014



27.5593, 30.2918, 35.6474



15.3689, 16.1328, 20.0734



4.0529, 4.4041, 5.0796



8.6591, 11.4007, 21.1295



40.7702, 53.3130, 100.6114

Previews

White Background



This preview shows how the XYZ color 16.0284, 16.2276, 16.4748 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 16.0284, 16.2276, 16.4748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

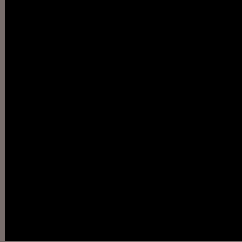
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.0284, 16.2276, 16.4748

Background



This preview shows how black text looks on a background with the XYZ color 16.0284, 16.2276, 16.4748.



This preview shows how white text looks on a background with the XYZ color 16.0284, 16.2276,

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

16.0284, 16.2276, 16.4748

Protanopia

15.6247, 16.3373, 16.7979

Deuteranopia

16.3815, 16.0929, 16.4302



Tritanopia

16.5647, 16.2866, 19.1002

Trichromacy



Original Color

16.0284, 16.2276, 16.4748

Protanomaly

15.7809, 16.2549, 16.7738

Deuteranomaly

16.3438, 16.2309, 16.4588

Tritanomaly

16.3911, 16.2171, 18.1859

Monochromacy



Original Color

16.0284, 16.2276, 16.4748

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.8659, 16.4490, 17.3777

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0284, 16.2276, 16.4748 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(120, 110, 108)` looks like.

```
.text, #text, p{  
    color:rgb(120, 110, 108)  
}
```

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(120, 110, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 110, 108) }
```

Border

The CSS property to change the border of an element to XYZ 16.0284, 16.2276, 16.4748 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(120, 110, 108) }
```


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

```
.border{ border-color:rgb(120, 110, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 110, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 110, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 110, 108);  
box-shadow:4px 4px 4px 4px rgb(120, 110,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0284, 16.2276, 16.4748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 110, 108) }
```

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

```
.background{ background-color: rgb(120,  
110, 108) }
```

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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