

Converting Colors

XYZ(18.7491, 20.2467, 16.5078)

Have a look what the booklet for
XYZ(18.7491, 20.2467, 16.5078)
contains.

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Color

**XYZ(18.8372, 20.2970,
16.5606)**

Conversions

Conversions Part 1

Format	Color
Hex	807D6A
RGB	128, 125, 106
RGB Percent	50%, 49%, 42%
CMY	0.4980, 0.5098, 0.5843
CMYK	0.00, 0.02, 0.17, 0.50
HSL	52°, 9%, 46%
HSV	52°, 17%, 50%
XYZ	18.8372, 20.2970, 16.5606
YIQ	123.7310, 7.8870, -5.2730

Conversions

Conversions Part 2

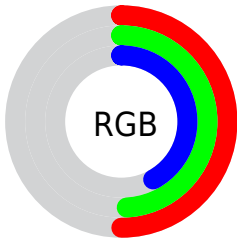
Format	Color
R_{YB}	109, 128, 106
Decimal	8420714
CIE _{Lab}	52.17, -2.33, 10.78
CIE _{LCh}	52, 11.027, 102.177
Yxy	20.2970, 0.3382, 0.3644
Android (android.graphics.Color)	4286610794 (0xFF807D6A)
YUV	123.7310, -8.7414, 3.7439
Hunter-Lab	45.0522, -4.2070, 9.7423

Details

The XYZ color **18.8372, 20.2970, 16.5606** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.3088, 15.5597, 22.6186**, and the grayscale version is **19.0954, 20.0898, 21.8778**.

A 20% lighter version of the original color is **41.0623, 44.0989, 38.2460**, and **6.5983, 7.1469, 5.1694** is the 20% darker color. If you saturate the color by 10%, you get **18.0020, 19.6135, 13.2397**, and if you desaturate by 10%, it is **19.7767, 21.0298, 20.4071**.

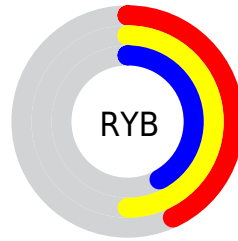
Distribution



Red (50%)

Green (49%)

Blue (42%)



Red (43%)

Yellow (50%)

Blue (42%)

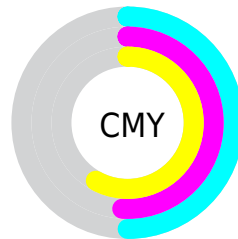


Cyan (0%)

Magenta (2%)

Yellow (17%)

Black (50%)



Cyan (50%)

Magenta (51%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8372, 20.2970, 16.5606 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 18.8372, 20.2970, 16.5606 by changing the saturation by 10% instead.

■ 18.8372, 20.2970,
16.5606

■ 18.8372, 20.2970,
16.5606

238.5039,
253.5184, 244.5850

■ 11.6560, 12.6111,
9.7631

■ 40.9778, 43.9146,
38.3490

■ 6.5804, 7.1613,
5.1386

■ 56.6680, 60.6150,
54.1769

■ 3.2451, 3.5632,
2.2687

■ 75.9252, 81.0892,
73.8521

■ 1.2847, 1.4324,
0.7136

■ 99.1147, 105.7214,
97.7930

■ 0.1717, 0.2404,
0.0000

126.6020,
134.8960, 126.4182

■ 0.0000, 0.0000,
0.0000

158.7524,

168.9974, 160.1462

195.9313,
208.4101, 199.3956

■ 18.8372, 20.2970,
16.5606

■ 18.8372, 20.2970,
16.5606

■ 18.0020, 19.6135,
13.2397

■ 19.7767, 21.0298,
20.4071

■ 17.2652, 18.9747,
10.4199

■ 20.8231, 21.8110,
24.7995

■ 16.6224, 18.3798,
8.0768

■ 21.9808, 22.6429,
29.7587

■ 16.0687, 17.8266,
6.1834

■ 23.2535, 23.5271,
35.3041

■ 15.5983, 17.3128,
4.7102

■ 24.6447, 24.4651,
41.4542

■ 15.2048, 16.8358,
3.6237

■ 26.1579, 25.4582,
48.2267

■ 14.8811, 16.3927,
2.8859

■ 27.7962, 26.5077,
55.6385

■ 14.6120, 15.9774,
2.4172

■ 29.5627, 27.6150,
63.7059

■ 14.5389, 15.8627,
2.2955

■ 31.4605, 28.7812,
72.4446

Harmonies

Analogous

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



19.9641, 20.2970, 16.6918



18.8372, 20.2970, 16.5606



17.8699, 20.2970, 17.8037

Triad

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



18.8372, 20.2970, 16.5606



17.7266, 20.2970, 26.5447



21.4340, 20.2970, 24.0589

Complementary

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



18.8372, 20.2970, 16.5606



15.3088, 15.5597, 22.6186

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.



20.7869, 20.2970, 27.0372



18.8372, 20.2970, 16.5606



18.6346, 20.2970, 28.5659

Square

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



18.8372, 20.2970, 16.5606



17.2457, 20.2970, 23.4381



19.7534, 20.2970, 28.7544



21.4934, 20.2970, 20.8138

Rectangle

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



18.8372, 20.2970, 16.5606



17.4340, 20.2970, 19.3222



19.7534, 20.2970, 28.7544



21.2769, 20.2970, 25.1320

Sweetspot

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



18.8377, 20.2979, 16.5610



35.1858, 37.3039, 37.4516



16.8329, 16.0082, 16.7558



8.2133, 8.7152, 8.6657



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.



18.8377, 20.2979, 16.5610



32.5126, 35.2096, 26.5348



18.1083, 20.4937, 16.6373



4.6170, 4.9227, 4.6270



14.4170, 15.7304, 2.2764



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.3088, 15.5597, 22.6186



24.9710, 25.0843, 39.4819



15.9510, 15.4242, 22.5586



4.1525, 4.2990, 5.4242



4.0697, 1.9579, 20.4134



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.8372, 20.2970, 16.5606 looks on a white 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

Black Background



This preview shows how the XYZ color 18.8372, 20.2970, 16.5606 looks on a black 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

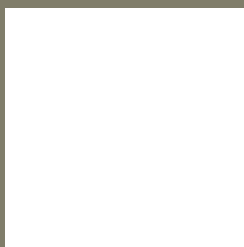
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.8372, 20.2970, 16.5606

Background



This preview shows how black text looks on a background with the XYZ color 18.8372, 20.2970, 16.5606.



This preview shows how white text looks on a background with the XYZ color 18.8372, 20.2970,

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

18.8372, 20.2970, 16.5606

Protanopia

19.1692, 20.2812, 16.5400

Deuteranopia

20.6980, 20.3341, 16.7439



Tritanopia

20.2942, 20.1387, 24.2903

Trichromacy



Original Color

18.8372, 20.2970, 16.5606

Protanomaly

19.0151, 20.2017, 16.5328

Deuteranomaly

20.0946, 20.3839, 16.7853

Tritanomaly

19.6783, 20.0700, 21.2491

Monochromacy



Original Color

18.8372, 20.2970, 16.5606

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.8760, 20.0596, 19.7066

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8372, 20.2970, 16.5606 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(128, 125, 106)` looks like.

```
.text, #text, p{  
    color:rgb(128, 125, 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(128, 125, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 125, 106) }
```

Border

The CSS property to change the border of an element to XYZ 18.8372, 20.2970, 16.5606 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(128, 125, 106) }
```


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

```
.border{ border-color:rgb(128, 125, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 125, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 125, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 125, 106);  
box-shadow:4px 4px 4px 4px rgb(128, 125,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8372, 20.2970, 16.5606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 125, 106) }
```

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

```
.background{ background-color: rgb(128,  
125, 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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