

Converting Colors

XYZ(18.8930, 19.4432, 18.0406)

Have a look what the booklet for
XYZ(18.8930, 19.4432, 18.0406)
contains.

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Color

**XYZ(18.8470, 19.3486,
18.0705)**

Conversions

Conversions Part 1

Format	Color
Hex	827870
RGB	130, 120, 112
RGB Percent	51%, 47%, 44%
CMY	0.4902, 0.5294, 0.5608
CMYK	0.00, 0.08, 0.14, 0.49
HSL	27°, 7%, 47%
HSV	27°, 14%, 51%
XYZ	18.8470, 19.3486, 18.0705
YIQ	122.0780, 8.5280, -0.3680

Conversions

Conversions Part 2

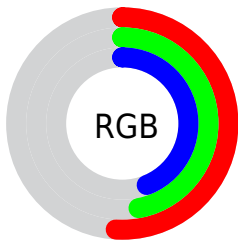
Format	Color
R_{YB}	130, 126, 112
Decimal	8550512
CIE Lab	51.09, 2.37, 5.77
CIE LCh	51, 6.238, 67.624
Yxy	19.3486, 0.3350, 0.3439
Android (android.graphics.Color)	4286740592 (0xFF827870)
YUV	122.0780, -4.9685, 6.9476
Hunter-Lab	43.9870, -0.4960, 6.4338

Details

The XYZ color **18.8470, 19.3486, 18.0705** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.6708, 18.9751, 23.8505**, and the grayscale version is **18.5383, 19.5038, 21.2396**.

A 20% lighter version of the original color is **40.9818, 42.2527, 41.1176**, and **6.6361, 6.7542, 5.8044** is the 20% darker color. If you saturate the color by 10%, you get **17.3391, 17.4086, 14.2509**, and if you desaturate by 10%, it is **20.5260, 21.4631, 22.4633**.

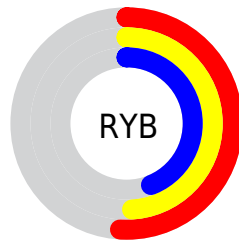
Distribution



Red (51%)

Green (47%)

Blue (44%)



Red (51%)

Yellow (49%)

Blue (44%)

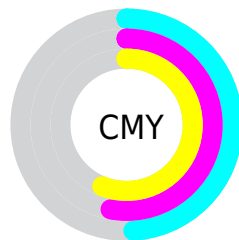


Cyan (0%)

Magenta (8%)

Yellow (14%)

Black (49%)



Cyan (49%)

Magenta (53%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8470, 19.3486, 18.0705 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 18.8470, 19.3486, 18.0705 by changing the saturation by 10% instead.

■ 18.8470, 19.3486,
18.0705

■ 18.8470, 19.3486,
18.0705

238.5572,
248.3665, 253.5176

■ 11.6631, 11.9224,
10.8306

■ 40.9943, 42.3223,
40.9730

■ 6.5853, 6.6909,
5.8403

■ 56.6884, 58.6387,
57.4727

■ 3.2481, 3.2695,
2.6810

■ 75.9500, 78.6872,
77.8961

■ 1.2863, 1.2740,
0.9339

■ 99.1444, 102.8523,
102.6617

■ 0.1729, 0.1210,
0.0000

126.6369,
131.5184, 132.1882

■ 0.0000, 0.0000,
0.0000

158.7930,

165.0699, 166.8939

195.9780,
203.8911, 207.1975

■ 18.8470, 19.3486,
18.0705

■ 18.8470, 19.3486,
18.0705

■ 17.3391, 17.4086,
14.2509

■ 20.5260, 21.4631,
22.4633

■ 15.9948, 15.6359,
10.9793

■ 22.3801, 23.7541,
27.4505

■ 14.8084, 14.0264,
8.2303

■ 24.4151, 26.2265,
33.0540

■ 13.7731, 12.5751,
5.9764

■ 26.6361, 28.8847,
39.2938

■ 12.8818, 11.2765,
4.1870

■ 29.0480, 31.7324,
46.1895

■ 12.1263, 10.1246,
2.8285

■ 31.6554, 34.7737,
53.7594

■ 11.4979, 9.1132,
1.8625

■ 34.4629, 38.0122,
62.0213

■ 10.9855, 8.2348,
1.2402

■ 37.4747, 41.4516,
70.9924

■ 10.7088, 7.7515,
0.9318

■ 40.6952, 45.0954,
80.6890

Harmonies

Analogous

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



19.3490, 19.3486, 19.0546



18.8470, 19.3486, 18.0705



18.2328, 19.3486, 17.8668

Triad

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



18.8470, 19.3486, 18.0705



17.2359, 19.3486, 21.5227



19.1263, 19.3486, 23.8835

Complementary

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



18.8470, 19.3486, 18.0705



17.6708, 18.9751, 23.8505

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.



18.5486, 19.3486, 24.6289



18.8470, 19.3486, 18.0705



17.4638, 19.3486, 23.2170

Square

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



18.8470, 19.3486, 18.0705



17.3117, 19.3486, 19.7964



17.9410, 19.3486, 24.3784



19.5127, 19.3486, 22.3915

Rectangle

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



18.8470, 19.3486, 18.0705



17.8440, 19.3486, 18.1898



17.9410, 19.3486, 24.3784



18.9475, 19.3486, 24.2334

Sweetspot

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



18.8475, 19.3495, 18.0709



36.0717, 37.7033, 39.3577



18.5255, 17.7445, 20.9262



8.1187, 8.4765, 8.7865



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.



18.8475, 19.3495, 18.0709



32.2179, 32.8316, 29.3299



19.9547, 21.5637, 18.4400



4.4729, 4.6345, 4.5789



10.2747, 7.4457, 0.8956



0.0000, 0.0000, 0.0000

Inverse Universe

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



17.6708, 18.9751, 23.8505



29.6768, 32.0230, 41.8094



16.6390, 16.9116, 23.5066



4.2914, 4.5767, 5.4705



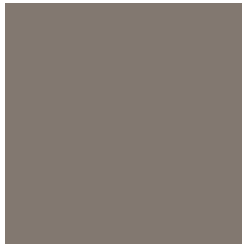
6.1049, 6.0283, 21.0918



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.8470, 19.3486, 18.0705 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 18.8470, 19.3486, 18.0705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

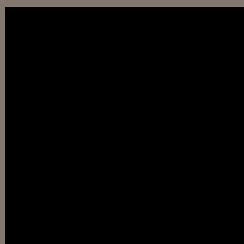
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

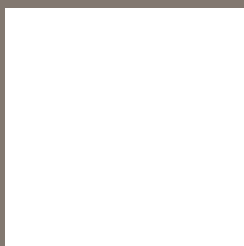
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.8470, 19.3486, 18.0705

Background



This preview shows how black text looks on a background with the XYZ color 18.8470, 19.3486, 18.0705.



This preview shows how white text looks on a background with the XYZ color 18.8470, 19.3486,

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

18.8470, 19.3486, 18.0705

Protanopia

18.4222, 19.3026, 18.3776

Deuteranopia

19.6024, 19.2108, 18.0041



Tritanopia

19.8249, 19.3947, 22.7773

Trichromacy



Original Color

18.8470, 19.3486, 18.0705

Protanomaly

18.5704, 19.3790, 18.3845

Deuteranomaly

19.2346, 19.1951, 18.0205

Tritanomaly

19.4698, 19.4241, 21.1354

Monochromacy



Original Color

18.8470, 19.3486, 18.0705

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.5648, 19.3427, 19.8946

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8470, 19.3486, 18.0705 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(130, 120, 112)` looks like.

```
.text, #text, p{  
    color:rgb(130, 120, 112)  
}
```

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(130, 120, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 120, 112) }
```

Border

The CSS property to change the border of an element to XYZ 18.8470, 19.3486, 18.0705 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(130, 120, 112) }
```


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

```
.border{ border-color:rgb(130, 120, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 120, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 120, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 120, 112);  
box-shadow:4px 4px 4px 4px rgb(130, 120,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8470, 19.3486, 18.0705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 120, 112) }
```

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

```
.background{ background-color: rgb(130,  
120, 112) }
```

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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