

Converting Colors

XYZ(20.4416, 18.5309, 17.3268)

Have a look what the booklet for
XYZ(20.4416, 18.5309, 17.3268)
contains.

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Color

**XYZ(20.4230, 18.4807,
17.2426)**

Conversions

Conversions Part 1

Format	Color
Hex	936E6E
RGB	147, 110, 110
RGB Percent	58%, 43%, 43%
CMY	0.4235, 0.5686, 0.5686
CMYK	0.00, 0.25, 0.25, 0.42
HSL	0°, 15%, 50%
HSV	0°, 25%, 58%
XYZ	20.4230, 18.4807, 17.2426
YIQ	121.0630, 22.0520, 7.8440

Conversions

Conversions Part 2

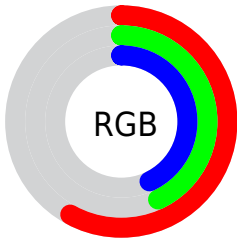
Format	Color
R_{YB}	147, 110, 110
Decimal	9662062
CIE _{Lab}	50.07, 14.68, 5.72
CIE _{LCh}	50, 15.749, 21.283
Yxy	18.4807, 0.3637, 0.3292
Android (android.graphics.Color)	4287852142 (0xFF936E6E)
YUV	121.0630, -5.4541, 22.7467
Hunter-Lab	42.9892, 9.5695, 6.3117

Details

The XYZ color **20.4230, 18.4807, 17.2426** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **22.1302, 26.2882, 31.5115**, and the grayscale version is **18.2068, 19.1550, 20.8598**.

A 20% lighter version of the original color is **43.7990, 41.0059, 39.7889**, and **7.3391, 6.2370, 5.5197** is the 20% darker color. If you saturate the color by 10%, you get **18.2316, 15.2742, 12.8856**, and if you desaturate by 10%, it is **23.0113, 22.2682, 22.3874**.

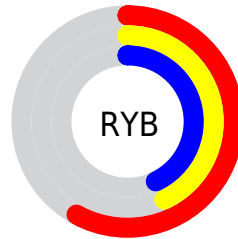
Distribution



Red (58%)

Green (43%)

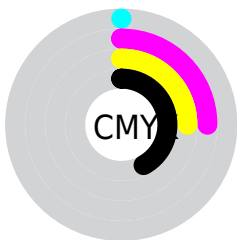
Blue (43%)



Red (58%)

Yellow (43%)

Blue (43%)

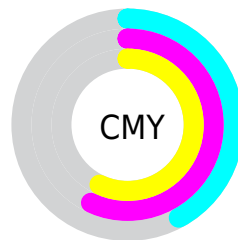


Cyan (0%)

Magenta (25%)

Yellow (25%)

Black (42%)



Cyan (42%)


Magenta (57%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.4230, 18.4807, 17.2426 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 20.4230, 18.4807, 17.2426 by changing the saturation by 10% instead.


 20.4230, 18.4807,
17.2426


 20.4230, 18.4807,
17.2426


246.9861,
243.5667, 248.6577

 12.8129, 11.2957,
10.2438


 43.6238, 40.8547,
39.5388


 7.3760, 6.2661,
5.4532


 59.9453, 56.8125,
55.6732

 3.7467, 3.0075,
2.4522

 79.9012, 76.4633,
75.6900

 1.5599, 1.1357,
0.8147

 103.8570,
100.1916, 100.0077

 0.3660, 0.0082,
0.0000

132.1781,
128.3816, 129.0447

 0.0000, 0.0000,
0.0000

165.2297,

161.4179, 163.2197

203.3773,
199.6848, 202.9512

■ 20.4230, 18.4807,
17.2426

■ 20.4230, 18.4807,
17.2426

■ 18.2316, 15.2742,
12.8856

■ 23.0113, 22.2682,
22.3874

■ 16.4162, 12.6177,
9.2766

■ 26.0131, 26.6606,
28.3550

■ 14.9559, 10.4808,
6.3737

■ 29.4460, 31.6839,
35.1796

■ 13.8276, 8.8298,
4.1308

■ 33.3260, 37.3614,
42.8932

■ 13.0052, 7.6263,
2.4960

■ 37.6685, 43.7156,
51.5262

■ 12.4588, 6.8268,
1.4101

■ 42.4880, 50.7678,
61.1075

■ 12.1487, 6.3730,
0.7937

■ 47.7983, 58.5381,
71.6647

■ 12.0328, 6.2033,
0.5632

■ 53.6128, 67.0463,
83.2242

■ 59.9444, 76.3110,
95.8117

Harmonies

Analogous

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



20.6061, 18.4807, 21.4139



20.4230, 18.4807, 17.2426



19.4518, 18.4807, 14.2879

Triad

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



20.4230, 18.4807, 17.2426



15.3884, 18.4807, 15.3407



17.1274, 18.4807, 29.5502

Complementary

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



20.4230, 18.4807, 17.2426



22.1302, 26.2882, 31.5115

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.



15.8050, 18.4807, 27.3616



20.4230, 18.4807, 17.2426



14.8395, 18.4807, 18.8838

Square

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



20.4230, 18.4807, 17.2426



16.5287, 18.4807, 13.3046



14.9875, 18.4807, 23.3061



18.6444, 18.4807, 28.9436

Rectangle

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



20.4230, 18.4807, 17.2426



18.5172, 18.4807, 13.2079



14.9875, 18.4807, 23.3061



16.6467, 18.4807, 29.1068

Sweetspot

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



20.4235, 18.4816, 17.2430



44.8961, 45.2730, 47.4206



22.8751, 19.4617, 30.1546



10.0733, 10.0780, 10.4762



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



20.4235, 18.4816, 17.2430



34.3516, 29.8435, 26.4584



22.6318, 22.8981, 17.9791



5.8008, 5.8155, 6.0572



10.4318, 5.3780, 0.4882



0.1277, 0.0658, 0.0060

Inverse Universe

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



22.1302, 26.2882, 31.5115



37.9275, 46.1994, 56.3530



19.4816, 20.9909, 30.6286



5.9641, 6.5622, 7.4220



13.6097, 19.9141, 27.0575



0.1666, 0.2438, 0.3312

Previews

White Background



This preview shows how the XYZ color 20.4230, 18.4807, 17.2426 looks on a white background.

Color Contrast Check

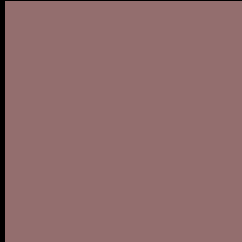
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4230, 18.4807, 17.2426 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 20.4230, 18.4807, 17.2426

Background



This preview shows how black text looks on a background with the XYZ color 20.4230, 18.4807, 17.2426.



This preview shows how white text looks on a background with the XYZ color 20.4230, 18.4807,

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

20.4230, 18.4807, 17.2426

Protanopia

17.8597, 18.6424, 18.8767

Deuteranopia

18.8827, 18.5165, 17.0468



Tritanopia

20.8923, 18.5175, 19.3027

Trichromacy



Original Color

20.4230, 18.4807, 17.2426

Protanomaly

18.7417, 18.5886, 18.2229

Deuteranomaly

19.3129, 18.4033, 17.0023

Tritanomaly

20.7186, 18.4481, 18.3884

Monochromacy



Original Color

20.4230, 18.4807, 17.2426

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.7781, 18.7528, 19.4596

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4230, 18.4807, 17.2426 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(147, 110, 110)` looks like.

```
.text, #text, p{  
    color:rgb(147, 110, 110)  
}
```

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(147, 110, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 110, 110) }
```

Border

The CSS property to change the border of an element to XYZ 20.4230, 18.4807, 17.2426 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(147, 110, 110) }
```


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

```
.border{ border-color:rgb(147, 110, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 110, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 110, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 110, 110);  
box-shadow:4px 4px 4px 4px rgb(147, 110,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4230, 18.4807, 17.2426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 110, 110) }
```

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

```
.background{ background-color: rgb(147,  
110, 110) }
```

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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