

Converting Colors

XYZ(20.5030, 18.2748, 17.7150)

Have a look what the booklet for
XYZ(20.5030, 18.2748, 17.7150)
contains.

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Color

**XYZ(20.6060, 18.4030,
17.7953)**

Conversions

Conversions Part 1

Format	Color
Hex	946D70
RGB	148, 109, 112
RGB Percent	58%, 43%, 44%
CMY	0.4196, 0.5725, 0.5608
CMYK	0.00, 0.26, 0.24, 0.42
HSL	355°, 15%, 50%
HSV	355°, 26%, 58%
XYZ	20.6060, 18.4030, 17.7953
YIQ	121.0030, 22.2810, 9.2010

Conversions

Conversions Part 2

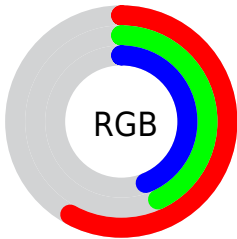
Format	Color
R_{YB}	148, 109, 112
Decimal	9727344
CIE _{Lab}	49.98, 15.97, 4.41
CIE _{LCh}	50, 16.565, 15.449
Yxy	18.4030, 0.3628, 0.3240
Android (android.graphics.Color)	4287917424 (0xFF946D70)
YUV	121.0030, -4.4385, 23.6764
Hunter-Lab	42.8987, 10.6681, 5.4344

Details

The XYZ color **20.6060, 18.4030, 17.7953** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **22.0082, 26.4758, 30.7397**, and the grayscale version is **18.1842, 19.1312, 20.8338**.

A 20% lighter version of the original color is **44.0743, 40.8666, 40.6870**, and **7.4180, 6.1944, 5.6552** is the 20% darker color. If you saturate the color by 10%, you get **18.4542, 15.2258, 13.6054**, and if you desaturate by 10%, it is **23.1401, 22.1598, 22.6826**.

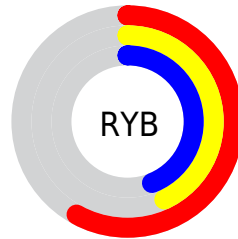
Distribution



Red (58%)

Green (43%)

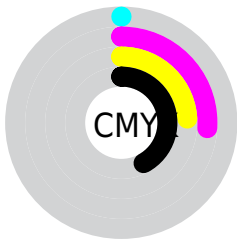
Blue (44%)



Red (58%)

Yellow (43%)

Blue (44%)

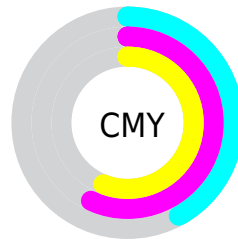


Cyan (0%)

Magenta (26%)

Yellow (24%)

Black (42%)



Cyan (42%)

Magenta (57%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6060, 18.4030, 17.7953 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 20.6060, 18.4030, 17.7953 by changing the saturation by 10% instead.

■ 20.6060, 18.4030,
17.7953

■ 20.6060, 18.4030,
17.7953

247.9487,
243.1328, 251.9120

■ 12.9471, 11.2397,
10.6352

■ 43.9271, 40.7228,
40.4974

■ 7.4689, 6.2283,
5.7110

■ 60.3201, 56.6482,
56.8765

■ 3.8060, 2.9844,
2.6042

■ 80.3551, 76.2630,
77.1657

■ 1.5930, 1.1236,
0.8946

■ 104.3975, 99.9516,
101.7836

■ 0.3878, 0.0000,
0.0000

132.8128,
128.0986, 131.1486

■ 0.0000, 0.0000,
0.0000

165.9661,

161.0881, 165.6793

204.2230,
199.3048, 205.7942

■ 20.6060, 18.4030,
17.7953

■ 20.6060, 18.4030,
17.7953

■ 18.4542, 15.2258,
13.6054

■ 23.1401, 22.1598,
22.6826

■ 16.6648, 12.5970,
10.0801

■ 26.0722, 26.5202,
28.2959

■ 15.2182, 10.4863,
7.1854

■ 29.4190, 31.5103,
34.6635

■ 14.0923, 8.8593,
4.8842

■ 33.1959, 37.1536,
41.8120

■ 13.2627, 7.6777,
3.1352

■ 37.4173, 43.4726,
49.7666

■ 12.7012, 6.8973,
1.8919

■ 42.0970, 50.4884,
58.5514

■ 12.3677, 6.4517,
1.0980

■ 47.2483, 58.2217,
68.1894

■ 12.2754, 6.3210,
0.9012

■ 52.8838, 66.6918,
78.7028

■ 59.0158, 75.9177,
90.1130

Harmonies

Analogous

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



20.6198, 18.4030, 22.3184



20.6060, 18.4030, 17.7953



19.7245, 18.4030, 14.4247

Triad

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



20.6060, 18.4030, 17.7953



15.4026, 18.4030, 14.5028



16.7348, 18.4030, 29.7607

Complementary

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



20.6060, 18.4030, 17.7953



22.0082, 26.4758, 30.7397

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.



15.4337, 18.4030, 26.9453



20.6060, 18.4030, 17.7953



14.6967, 18.4030, 17.9180

Square

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



20.6060, 18.4030, 17.7953



16.6899, 18.4030, 12.7294



14.7078, 18.4030, 22.4611



18.3184, 18.4030, 29.7145

Rectangle

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



20.6060, 18.4030, 17.7953



18.7925, 18.4030, 13.0837



14.7078, 18.4030, 22.4611



16.2520, 18.4030, 29.1009

Sweetspot

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



20.6065, 18.4039, 17.7957



45.0127, 45.3192, 48.0359



22.4475, 19.0733, 30.5155



10.1039, 10.0902, 10.6378



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.



20.6065, 18.4039, 17.7957



33.8939, 28.8297, 26.6091



22.3389, 22.1313, 17.5634



5.8178, 5.8222, 6.1468



10.4897, 5.4009, 0.7937



0.1320, 0.0675, 0.0286

Inverse Universe

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



20.6065, 18.4039, 17.7957



33.8939, 28.8297, 26.6091



19.8701, 21.8248, 31.1825



5.8178, 5.8222, 6.1468



10.4897, 5.4009, 0.7937



0.1320, 0.0675, 0.0286

Previews

White Background



This preview shows how the XYZ color 20.6060, 18.4030, 17.7953 looks on a white background.

Color Contrast Check

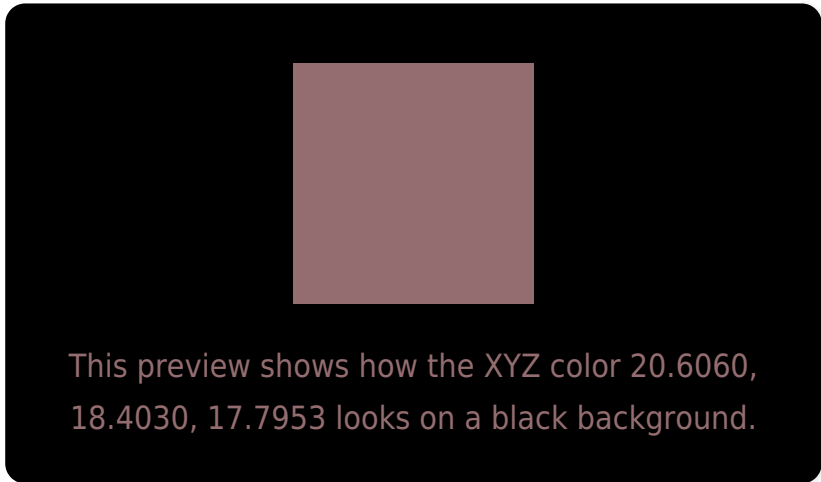
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

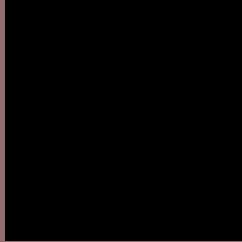
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.6060, 18.4030, 17.7953

Background



This preview shows how black text looks on a background with the XYZ color 20.6060, 18.4030, 17.7953.



This preview shows how white text looks on a background with the XYZ color 20.6060, 18.4030,

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

20.6060, 18.4030, 17.7953

Protanopia

17.8338, 18.6156, 19.4828

Deuteranopia

18.8315, 18.4775, 17.6129



Tritanopia

20.9679, 18.3990, 19.2759

Trichromacy



Original Color

20.6060, 18.4030, 17.7953

Protanomaly

18.5853, 18.3246, 18.7771

Deuteranomaly

19.4218, 18.4469, 17.5759

Tritanomaly

20.8515, 18.3525, 18.6630

Monochromacy



Original Color

20.6060, 18.4030, 17.7953

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.9914, 18.8559, 19.7781

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6060, 18.4030, 17.7953 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(148, 109, 112)` looks like.

```
.text, #text, p{  
    color:rgb(148, 109, 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(148, 109, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 109, 112) }
```

Border

The CSS property to change the border of an element to XYZ 20.6060, 18.4030, 17.7953 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(148, 109, 112) }
```


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

```
.border{ border-color:rgb(148, 109, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 109, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 109, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 109, 112);  
box-shadow:4px 4px 4px 4px rgb(148, 109,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6060, 18.4030, 17.7953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 109, 112) }
```

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

```
.background{ background-color: rgb(148,  
109, 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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