

Converting Colors

XYZ(20.2357, 16.3367, 17.6412)

Have a look what the booklet for
XYZ(20.2357, 16.3367, 17.6412)
contains.

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Color

**XYZ(20.3004, 16.3303,
17.7049)**

Conversions

Conversions Part 1

Format	Color
Hex	996071
RGB	153, 96, 113
RGB Percent	60%, 38%, 44%
CMY	0.4000, 0.6235, 0.5569
CMYK	0.00, 0.37, 0.26, 0.40
HSL	342°, 23%, 49%
HSV	342°, 37%, 60%
XYZ	20.3004, 16.3303, 17.7049
YIQ	114.9810, 28.5150, 17.3710

Conversions

Conversions Part 2

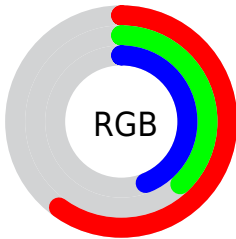
Format	Color
R_{YB}	153, 96, 113
Decimal	10051697
CIE _{Lab}	47.40, 25.58, 0.16
CIE _{LCh}	47, 25.580, 0.349
Yxy	16.3303, 0.3736, 0.3005
Android (android.graphics.Color)	4288241777 (0xFF996071)
YUV	114.9810, -0.9766, 33.3427
Hunter-Lab	40.4108, 18.9509, 2.3112

Details

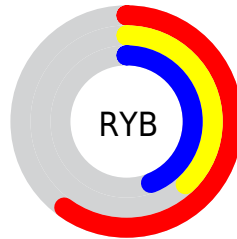
The XYZ color **20.3004, 16.3303, 17.7049** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **20.6598, 27.0473, 27.4257**, and the grayscale version is **16.2872, 17.1354, 18.6604**.

A 20% lighter version of the original color is **43.5197, 37.1394, 40.4722**, and **7.2666, 5.2049, 5.6227** is the 20% darker color. If you saturate the color by 10%, you get **18.4688, 13.5778, 14.2863**, and if you desaturate by 10%, it is **22.4762, 19.6563, 21.5915**.

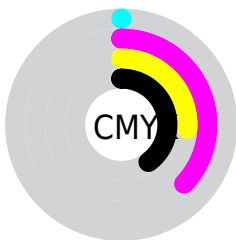
Distribution



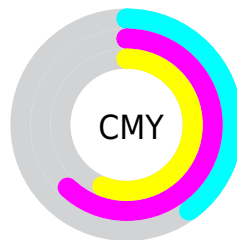
- Red (60%)
- Green (38%)
- Blue (44%)



- Red (60%)
- Yellow (38%)
- Blue (44%)



- Cyan (0%)
- Magenta (37%)
- Yellow (26%)
- Black (40%)





- Cyan (40%)
- Magenta (62%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.3004, 16.3303, 17.7049 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 20.3004, 16.3303, 17.7049 by changing the saturation by 10% instead.


 20.3004, 16.3303,
17.7049


 20.3004, 16.3303,
17.7049

246.3394,
231.2829, 251.3824


 12.7231, 9.7582,
10.5711


 43.4204, 37.1707,
40.3410

 7.3138, 5.2389,
5.6687


 59.6938, 52.2077,
56.6803

 3.7072, 2.3881,
2.5792

 79.5966, 70.8352,
76.9252

 1.5379, 0.8198,
0.8817

 103.4942, 93.4375,
101.4942

 0.3514, 0.0000,
0.0000

131.7519,
120.3991, 130.8059

 0.0000, 0.0000,
0.0000

164.7351,

152.1042, 165.2788

202.8092,
188.9374, 205.3315

■ 20.3004, 16.3303,
17.7049

■ 20.3004, 16.3303,
17.7049

■ 18.4688, 13.5778,
14.2863

■ 22.4762, 19.6563,
21.5915

■ 16.9616, 11.3639,
11.3163

■ 25.0116, 23.5835,
25.9624

■ 15.7593, 9.6533,
8.7757


■ 27.9230, 28.1407,
30.8343


■ 14.8393, 8.4057,
6.6431

■ 31.2250, 33.3540,
36.2228


■ 14.1760, 7.5744,
4.8952


■ 34.9318, 39.2482,
42.1427


 13.7280, 7.0818,
3.5024

 39.0567, 45.8465,
48.6084

 13.6227, 6.9667,
3.1730

 43.6122, 53.1713,
55.6336

 48.6106, 61.2440,
63.2315

 54.0634, 70.0849,
71.4148

Harmonies

Analogous

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



19.6256, 16.3303, 24.6983



20.3004, 16.3303, 17.7049



19.5945, 16.3303, 12.1904

Triad

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



20.3004, 16.3303, 17.7049



13.4218, 16.3303, 9.0381



13.4636, 16.3303, 30.9840

Complementary

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



20.3004, 16.3303, 17.7049



20.6598, 27.0473, 27.4257

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.



12.0560, 16.3303, 24.8628



20.3004, 16.3303, 17.7049



12.0335, 16.3303, 12.2932

Square

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



20.3004, 16.3303, 17.7049



15.4949, 16.3303, 7.9920



11.5584, 16.3303, 17.8572



15.5481, 16.3303, 33.4112

Rectangle

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



20.3004, 16.3303, 17.7049



18.4720, 16.3303, 9.7979



11.5584, 16.3303, 17.8572



12.9032, 16.3303, 29.2270

Sweetspot

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



20.3009, 16.3311, 17.7052



47.8571, 47.0227, 51.6519



20.0704, 15.8924, 32.1469



10.4260, 10.1618, 11.1691



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



20.3009, 16.3311, 17.7052



33.4876, 24.9302, 26.3716



20.5483, 18.2166, 13.5004



6.2808, 6.2515, 6.8590



11.2722, 5.7631, 2.6922



0.1831, 0.0920, 0.1173

Inverse Universe

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



20.3009, 16.3311, 17.7052



33.4876, 24.9302, 26.3716



20.1878, 24.0145, 33.7084



6.2808, 6.2515, 6.8590



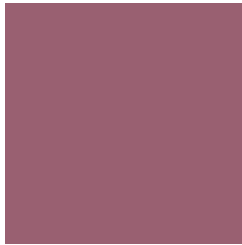
11.2722, 5.7631, 2.6922



0.1831, 0.0920, 0.1173

Previews

White Background



This preview shows how the XYZ color 20.3004, 16.3303, 17.7049 looks on a white background.

Color Contrast Check

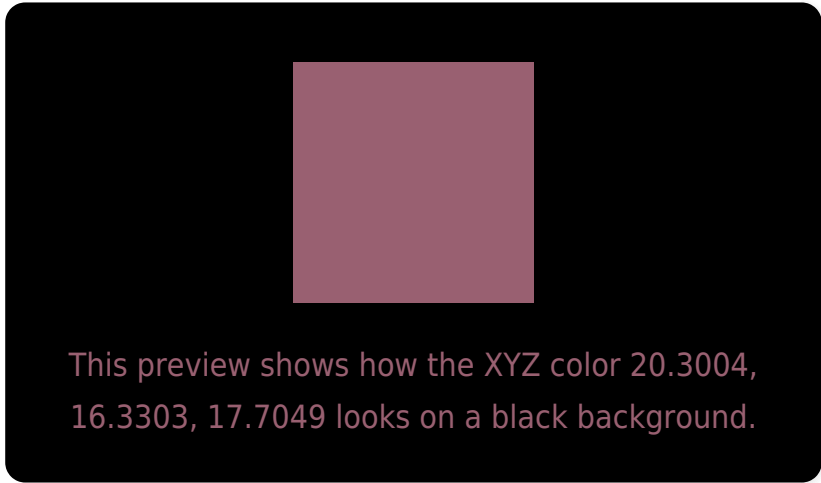
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 20.3004, 16.3303, 17.7049

Background



This preview shows how black text looks on a background with the XYZ color 20.3004, 16.3303, 17.7049.



This preview shows how white text looks on a background with the XYZ color 20.3004, 16.3303,

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

20.3004, 16.3303, 17.7049

Protanopia

16.0514, 16.4631, 21.0706

Deuteranopia

16.6501, 16.3701, 17.3211



Tritanopia

19.7734, 16.2447, 15.4580

Trichromacy



Original Color

20.3004, 16.3303, 17.7049

Protanomaly

17.2362, 16.1520, 19.6620

Deuteranomaly

17.8666, 16.2214, 17.5186

Tritanomaly

19.9304, 16.3075, 16.2846

Monochromacy



Original Color

20.3004, 16.3303, 17.7049

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.4531, 16.6072, 18.2052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3004, 16.3303, 17.7049 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(153, 96, 113)` looks like.

```
.text, #text, p{  
    color:rgb(153, 96, 113)  
}
```

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(153, 96, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 96, 113) }
```

Border

The CSS property to change the border of an element to XYZ 20.3004, 16.3303, 17.7049 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(153, 96, 113) }
```


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

```
.border{ border-color:rgb(153, 96, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 96, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 96, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 96, 113);  
box-shadow:4px 4px 4px 4px rgb(153, 96,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3004, 16.3303, 17.7049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 96, 113) }
```

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

```
.background{ background-color: rgb(153, 96,  
113) }
```

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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