

Converting Colors

XYZ(20.3394, 17.6018, 16.3169)

Have a look what the booklet for
XYZ(20.3394, 17.6018, 16.3169)
contains.

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Color

**XYZ(20.2831, 17.6487,
16.2474)**

Conversions

Conversions Part 1

Format	Color
Hex	96696B
RGB	150, 105, 107
RGB Percent	59%, 41%, 42%
CMY	0.4118, 0.5882, 0.5804
CMYK	0.00, 0.30, 0.29, 0.41
HSL	357°, 18%, 50%
HSV	357°, 30%, 59%
XYZ	20.2831, 17.6487, 16.2474
YIQ	118.6830, 26.1780, 10.1620

Conversions

Conversions Part 2

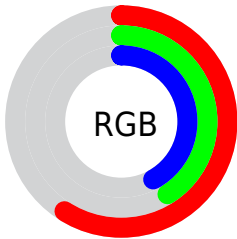
Format	Color
R_{YB}	150, 105, 107
Decimal	9857387
CIE _{Lab}	49.07, 18.33, 6.10
CIE _{LCh}	49, 19.319, 18.418
Yxy	17.6487, 0.3744, 0.3257
Android (android.graphics.Color)	4288047467 (0xFF96696B)
YUV	118.6830, -5.7597, 27.4650
Hunter-Lab	42.0104, 12.6638, 6.4770

Details

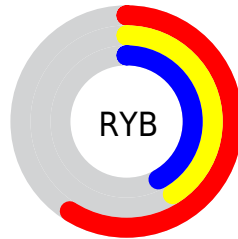
The XYZ color **20.2831, 17.6487, 16.2474** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **22.0781, 26.9545, 32.0575**, and the grayscale version is **17.4467, 18.3552, 19.9889**.

A 20% lighter version of the original color is **43.4054, 39.5617, 37.6962**, and **7.3157, 5.8492, 5.0184** is the 20% darker color. If you saturate the color by 10%, you get **18.1953, 14.5814, 12.1341**, and if you desaturate by 10%, it is **22.7664, 21.3066, 21.1097**.

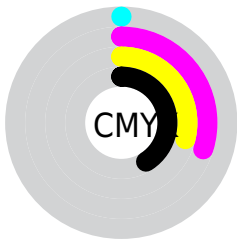
Distribution



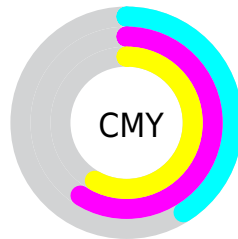
- Red (59%)
- Green (41%)
- Blue (42%)



- Red (59%)
- Yellow (41%)
- Blue (42%)



- Cyan (0%)
- Magenta (30%)
- Yellow (29%)
- Black (41%)



- Cyan (41%)
- Magenta (59%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2831, 17.6487, 16.2474 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 20.2831, 17.6487, 16.2474 by changing the saturation by 10% instead.

■ 20.2831, 17.6487,
16.2474

■ 20.2831, 17.6487,
16.2474

246.2481,
238.8834, 242.6925

■ 12.7105, 10.6981,
9.5431

■ 43.3916, 39.4378,
37.7999

■ 7.3051, 5.8642,
4.9955

■ 59.6583, 55.0451,
53.4853

■ 3.7016, 2.7627,
2.1859

■ 79.5536, 74.3067,
73.0014

■ 1.5348, 1.0091,
0.6662

■ 103.4429, 97.6070,
96.7668

■ 0.3493, 0.0000,
0.0000

131.6917,
125.3304, 125.2001

■ 0.0000, 0.0000,
0.0000

164.6653,

157.8614, 158.7198

202.7289,
195.5842, 197.7444

■ 20.2831, 17.6487,
16.2474

■ 20.2831, 17.6487,
16.2474

■ 18.1953, 14.5814,
12.1341

■ 22.7664, 21.3066,
21.1097

■ 16.4812, 12.0716,
8.7317

■ 25.6627, 25.5813,
26.7547

■ 15.1191, 10.0863,
6.0001

■ 28.9900, 30.5001,
33.2149

■ 14.0847, 8.5885,
3.8951

■ 32.7650, 36.0883,
40.5211

■ 13.3504, 7.5361,
2.3668

■ 37.0034, 42.3696,
48.7022

■ 12.8839, 6.8799,
1.3581

■ 41.7201, 49.3666,
57.7858

■ 12.6143, 6.4987,
0.7808

■ 46.9296, 57.1009,
67.7985

■ 12.6142, 6.4987,
0.7807

■ 52.6454, 65.5932,
78.7654

■ 58.8808, 74.8633,
90.7110

Harmonies

Analogous

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



20.4048, 17.6487, 21.2794



20.2831, 17.6487, 16.2474



19.1820, 17.6487, 12.7060

Triad

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



20.2831, 17.6487, 16.2474



14.3129, 17.6487, 13.3519



16.0882, 17.6487, 30.6750

Complementary

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



20.2831, 17.6487, 16.2474



22.0781, 26.9545, 32.0575

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.



14.5775, 17.6487, 27.6400



20.2831, 17.6487, 16.2474



13.6027, 17.6487, 17.2913

Square

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



20.2831, 17.6487, 16.2474



15.7030, 17.6487, 11.2524



13.6959, 17.6487, 22.5268



17.8938, 17.6487, 30.2584

Rectangle

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



20.2831, 17.6487, 16.2474



18.0822, 17.6487, 11.3842



13.6959, 17.6487, 22.5268



15.5315, 17.6487, 30.0053

Sweetspot

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



20.2836, 17.6495, 16.2478



45.7414, 45.8137, 48.0961



22.7247, 18.5786, 31.2426



9.9748, 9.9135, 10.3435



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.



20.2836, 17.6495, 16.2478



33.2476, 27.4019, 23.6593



22.4933, 22.2352, 16.4719



5.8106, 5.8193, 6.1088



10.4651, 5.3911, 0.6645



0.1302, 0.0668, 0.0190

Inverse Universe

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



20.2836, 17.6495, 16.2478



33.2476, 27.4019, 23.6593



19.2809, 21.1048, 31.9117



5.8106, 5.8193, 6.1088



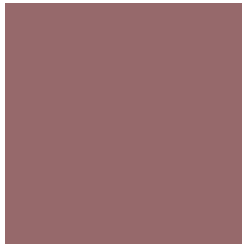
10.4651, 5.3911, 0.6645



0.1302, 0.0668, 0.0190

Previews

White Background



This preview shows how the XYZ color 20.2831, 17.6487, 16.2474 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



This preview shows how the XYZ color 20.2831, 17.6487, 16.2474 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 20.2831, 17.6487, 16.2474

Background



This preview shows how black text looks on a background with the XYZ color 20.2831, 17.6487, 16.2474.



This preview shows how white text looks on a background with the XYZ color 20.2831, 17.6487,

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

20.2831, 17.6487, 16.2474

Protanopia

16.9718, 17.6761, 18.1401

Deuteranopia

18.0224, 17.7564, 16.1131



Tritanopia

20.6374, 17.6498, 17.6483

Trichromacy



Original Color

20.2831, 17.6487, 16.2474

Protanomaly

18.0235, 17.5613, 17.4787

Deuteranomaly

18.8249, 17.6814, 16.0563

Tritanomaly

20.5273, 17.6057, 17.0682

Monochromacy



Original Color

20.2831, 17.6487, 16.2474

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.3177, 18.0183, 18.7321

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2831, 17.6487, 16.2474 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(150, 105, 107)` looks like.

```
.text, #text, p{  
    color:rgb(150, 105, 107)  
}
```

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(150, 105, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 105, 107) }
```

Border

The CSS property to change the border of an element to XYZ 20.2831, 17.6487, 16.2474 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(150, 105, 107) }
```


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

```
.border{ border-color:rgb(150, 105, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 105, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 105, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 105, 107);  
box-shadow:4px 4px 4px 4px rgb(150, 105,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2831, 17.6487, 16.2474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 105, 107) }
```

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

```
.background{ background-color: rgb(150,  
105, 107) }
```

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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