

Converting Colors

XYZ(20.5733, 16.4454, 20.4046)

Have a look what the booklet for
XYZ(20.5733, 16.4454, 20.4046)
contains.

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Color

**XYZ(20.6446, 16.4463,
20.4987)**

Conversions

Conversions Part 1

Format	Color
Hex	98607A
RGB	152, 96, 122
RGB Percent	60%, 38%, 48%
CMY	0.4039, 0.6235, 0.5216
CMYK	0.00, 0.37, 0.20, 0.40
HSL	332°, 23%, 49%
HSV	332°, 37%, 60%
XYZ	20.6446, 16.4463, 20.4987
YIQ	115.7080, 25.0300, 19.9580

Conversions

Conversions Part 2

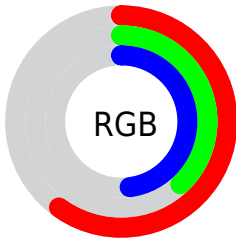
Format	Color
R_{YB}	152, 96, 122
Decimal	9986170
CIE _{Lab}	47.55, 26.61, -5.05
CIE _{LCh}	48, 27.089, 349.257
Yxy	16.4463, 0.3585, 0.2856
Android (android.graphics.Color)	4288176250 (0xFF98607A)
YUV	115.7080, 3.1020, 31.8281
Hunter-Lab	40.5540, 19.8984, -1.5813

Details

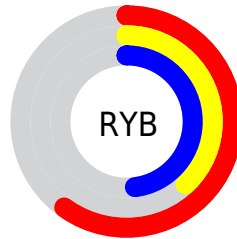
The XYZ color **20.6446, 16.4463, 20.4987** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **19.8187, 26.4500, 23.8007**, and the grayscale version is **16.4970, 17.3562, 18.9009**.

A 20% lighter version of the original color is **43.8058, 37.1888, 44.9137**, and **7.5151, 5.3043, 6.9311** is the 20% darker color. If you saturate the color by 10%, you get **18.9060, 13.7429, 17.5332**, and if you desaturate by 10%, it is **22.6946, 19.7045, 23.7770**.

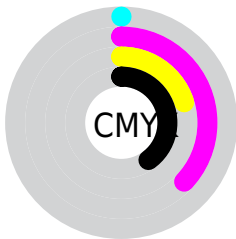
Distribution



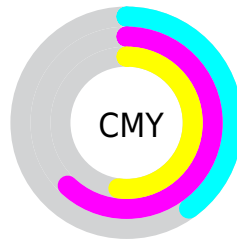
- Red (60%)
- Green (38%)
- Blue (48%)



- Red (60%)
- Yellow (38%)
- Blue (48%)



- Cyan (0%)
- Magenta (37%)
- Yellow (20%)
- Black (40%)





- Cyan (40%)
- Magenta (62%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6446, 16.4463, 20.4987 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 20.6446, 16.4463, 20.4987 by changing the saturation by 10% instead.


 20.6446, 16.4463,
20.4987


 20.6446, 16.4463,
20.4987


248.1513,
231.9610, 267.2952


 12.9754, 9.8405,
12.5704


 43.9910, 37.3713,
45.1216


 7.4885, 5.2933,
7.0062


 60.3990, 52.4593,
62.6533

 3.8185, 2.4204,
3.3875

 80.4507, 71.1435,
84.2233

 1.6000, 0.8363,
1.2957

 104.5114, 93.8082,
110.2500

 0.3924, 0.0000,
0.0583

132.9464,
120.8380, 141.1520

 0.0000, 0.0000,
0.0000

166.1212,

152.6171, 177.3478

204.4010,
189.5300, 219.2561

■ 20.6446, 16.4463,
20.4987

■ 20.6446, 16.4463,
20.4987

■ 18.9060, 13.7429,
17.5332

■ 22.6946, 19.7045,
23.7770

■ 17.4608, 11.5604,
14.8689

■ 25.0699, 23.5440,
27.3771

■ 16.2913, 9.8651,
12.4948

■ 27.7850, 27.9926,
31.3088

■ 15.3772, 8.6180,
10.3985

■ 30.8535, 33.0754,
35.5811

■ 14.6950, 7.7742,
8.5666

■ 34.2878, 38.8163,
40.2028

14.2083, 7.2626,
6.9808

38.1000, 45.2378,
45.1821

14.0724, 7.1248,
6.5221

42.3015, 52.3613,
50.5271

46.9033, 60.2074,
56.2456

51.9157, 68.7958,
62.3449

Harmonies

Analogous

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



19.4149, 16.4463, 28.0489



20.6446, 16.4463, 20.4987



20.4309, 16.4463, 13.8747

Triad

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



20.6446, 16.4463, 20.4987



14.1517, 16.4463, 8.0680



12.7963, 16.4463, 29.9714

Complementary

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



20.6446, 16.4463, 20.4987



19.8187, 26.4500, 23.8007

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.



11.6499, 16.4463, 22.6540



20.6446, 16.4463, 20.4987



12.3750, 16.4463, 10.5627

Square

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



20.6446, 16.4463, 20.4987



16.5122, 16.4463, 7.7719



11.5041, 16.4463, 15.5439



14.7831, 16.4463, 34.3807

Rectangle

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



20.6446, 16.4463, 20.4987



19.5043, 16.4463, 10.7494



11.5041, 16.4463, 15.5439



12.3089, 16.4463, 27.6944

Sweetspot

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



20.6451, 16.4471, 20.4990



46.8714, 45.8395, 52.1541



18.4356, 15.0591, 31.6409



10.5192, 10.1991, 11.6598



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.



20.6451, 16.4471, 20.4990



33.9375, 25.1292, 31.9433



19.4160, 16.2312, 13.1769



6.3221, 6.2680, 7.0764



11.8148, 5.9801, 5.5496



0.1947, 0.0966, 0.1784

Inverse Universe

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



20.6451, 16.4471, 20.4990



33.9375, 25.1292, 31.9433



21.4195, 26.6094, 33.7131



6.3221, 6.2680, 7.0764



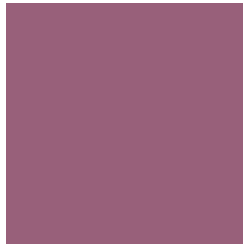
11.8148, 5.9801, 5.5496



0.1947, 0.0966, 0.1784

Previews

White Background



This preview shows how the XYZ color 20.6446, 16.4463, 20.4987 looks on a white background.

Color Contrast Check

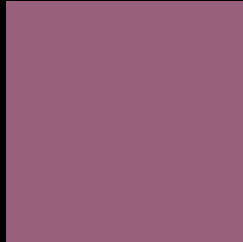
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6446, 16.4463, 20.4987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

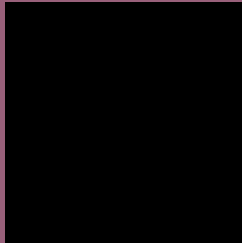
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.6446, 16.4463, 20.4987

Background



This preview shows how black text looks on a background with the XYZ color 20.6446, 16.4463, 20.4987.



This preview shows how white text looks on a background with the XYZ color 20.6446, 16.4463,

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

20.6446, 16.4463, 20.4987

Protanopia

16.2657, 16.5055, 24.1584

Deuteranopia

16.8513, 16.5729, 20.0800



Tritanopia

19.6410, 16.4483, 15.7753

Trichromacy



Original Color

20.6446, 16.4463, 20.4987

Protanomaly

17.5078, 16.2266, 22.6314

Deuteranomaly

18.0185, 16.3892, 20.3029

Tritanomaly

20.0548, 16.4845, 17.4541

Monochromacy



Original Color

20.6446, 16.4463, 20.4987

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.7919, 16.9124, 19.4662

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6446, 16.4463, 20.4987 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(152, 96, 122)` looks like.

```
.text, #text, p{  
    color:rgb(152, 96, 122)  
}
```

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(152, 96, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 96, 122) }
```

Border

The CSS property to change the border of an element to XYZ 20.6446, 16.4463, 20.4987 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(152, 96, 122) }
```


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

```
.border{ border-color:rgb(152, 96, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 96, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 96, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 96, 122);  
box-shadow:4px 4px 4px 4px rgb(152, 96,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6446, 16.4463, 20.4987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 96, 122) }
```

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

```
.background{ background-color: rgb(152, 96,  
122) }
```

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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