

Converting Colors

XYZ(9.9485, 9.4331, 18.6038)

Have a look what the booklet for
XYZ(9.9485, 9.4331, 18.6038)
contains.

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Color

**XYZ(9.9798, 9.4664,
18.7540)**

Conversions

Conversions Part 1

Format	Color
Hex	525477
RGB	82, 84, 119
RGB Percent	32%, 33%, 47%
CMY	0.6784, 0.6706, 0.5333
CMYK	0.31, 0.29, 0.00, 0.53
HSL	237°, 18%, 39%
HSV	237°, 31%, 47%
XYZ	9.9798, 9.4664, 18.7540
YIQ	87.3920, -12.4270, 10.4610

Conversions

Conversions Part 2

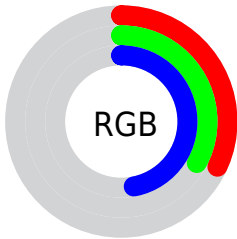
Format	Color
R_{YB}	82, 84, 119
Decimal	5395575
CIE _{Lab}	36.87, 8.01, -20.13
CIE _{LCh}	37, 21.662, 291.695
Yxy	9.4664, 0.2612, 0.2478
Android (android.graphics.Color)	4283585655 (0xFF525477)
YUV	87.3920, 15.5827, -4.7288
Hunter-Lab	30.7675, 4.0554, -14.6023

Details


The XYZ color **9.9798, 9.4664, 18.7540** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **15.4923, 17.2540, 10.4969**, and the grayscale version is **9.1132, 9.5878, 10.4412**.

A 20% lighter version of the original color is **25.2539, 24.6209, 41.9494**, and **2.5241, 2.2506, 6.0957** is the 20% darker color. If you saturate the color by 10%, you get **8.2288, 7.3694, 18.4417**, and if you desaturate by 10%, it is **12.0514, 11.9375, 19.1220**.

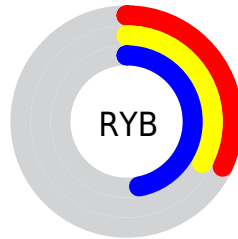
Distribution



 Red (32%)

 Green (33%)

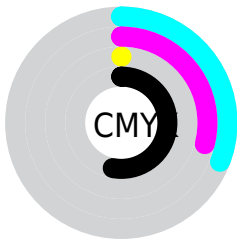
 Blue (47%)




 Red (32%)

 Yellow (33%)

 Blue (47%)

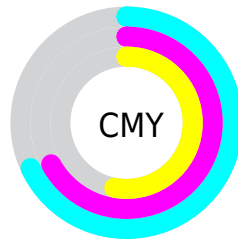


 Cyan (31%)

 Magenta (29%)

 Yellow (0%)

 Black (53%)



 Cyan (68%)

 Magenta (67%)

 Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.9798, 9.4664, 18.7540 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 9.9798, 9.4664, 18.7540 by changing the saturation by 10% instead.

■ 9.9798, 9.4664,
18.7540

■ 9.9798, 9.4664,
18.7540

184.5845,
186.8201, 257.4646

■ 5.4477, 5.0466,
11.3177

■ 25.4075, 24.7869,
42.1491

■ 2.5497, 2.2746,
6.1641

■ 37.0339, 36.4564,
58.9450

■ 0.9204, 0.7602,
2.8747

■ 51.7557, 51.3113,
79.6978

■ 0.0000, 0.0000,
1.0310

■ 69.9384, 69.7360,
104.8261

■ 0.0000, 0.0000,
0.0000

■ 91.9472, 92.1148,
134.7484

118.1476,

118.8321, 169.8832

148.9049,
150.2724, 210.6491

■ 9.9798, 9.4664,
18.7540

■ 9.9798, 9.4664,
18.7540

■ 8.2288, 7.3694,
18.4417

■ 12.0514, 11.9375,
19.1220

■ 6.7814, 5.6274,
18.1817

■ 14.4575, 14.7986,
19.5474

■ 5.6207, 4.2208,
17.9714

■ 17.2123, 18.0660,
20.0329

■ 4.7275, 3.1282,
17.8076

■ 20.3289, 21.7546,
20.5806

■ 4.0804, 2.3254,
17.6867

■ 23.8199, 25.8787,
21.1926

■ 3.6548, 1.7848,
17.6048

■ 27.6970, 30.4519,
21.8710

■ 3.3996, 1.4715,
17.5578

■ 31.9715, 35.4871,
22.6176

■ 36.6545, 40.9969,
23.4343

■ 41.7562, 46.9932,
24.3228

Harmonies

Analogous

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



8.6320, 9.4664, 19.4228



9.9798, 9.4664, 18.7540



11.1650, 9.4664, 15.5661

Triad

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



9.9798, 9.4664, 18.7540



10.6835, 9.4664, 5.5492



6.6899, 9.4664, 9.2819

Complementary

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



9.9798, 9.4664, 18.7540



15.4923, 17.2540, 10.4969

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.



7.1305, 9.4664, 6.3904



9.9798, 9.4664, 18.7540



9.3732, 9.4664, 4.6117

Square

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



9.9798, 9.4664, 18.7540



11.5985, 9.4664, 7.8224



8.0819, 9.4664, 4.8760



6.8178, 9.4664, 13.2695

Rectangle

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



9.9798, 9.4664, 18.7540



11.6601, 9.4664, 12.7918



8.0819, 9.4664, 4.8760



6.7747, 9.4664, 8.1673

Sweetspot

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



9.9801, 9.4668, 18.7542



26.7598, 27.5337, 35.1572



13.2603, 16.2611, 19.1262



6.2066, 6.3647, 8.3081



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



9.9801, 9.4668, 18.7542



15.6634, 14.3097, 33.1896



11.3880, 9.9654, 18.7763



3.5150, 3.6187, 4.6035



3.6095, 1.5587, 18.6532



17.3901, 7.1968, 90.8329

Inverse Universe

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



12.2256, 10.5970, 9.7889



20.3450, 16.6995, 14.4905



13.7098, 16.6847, 10.4809



3.6912, 3.7038, 3.9008



8.1190, 4.1813, 0.5691



39.4645, 20.3359, 2.2433

Previews

White Background



This preview shows how the XYZ color 9.9798, 9.4664, 18.7540 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 ✓ Pass

Black Background



This preview shows how the XYZ color 9.9798, 9.4664, 18.7540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

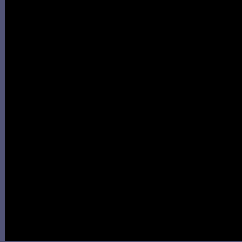
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 9.9798, 9.4664, 18.7540

Background



This preview shows how black text looks on a background with the XYZ color 9.9798, 9.4664, 18.7540.

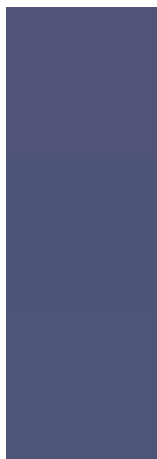


This preview shows how white text looks on a background with the XYZ color 9.9798, 9.4664, 18.7540.

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

9.9798, 9.4664, 18.7540

Protanopia

9.6192, 9.3896, 19.0747

Deuteranopia

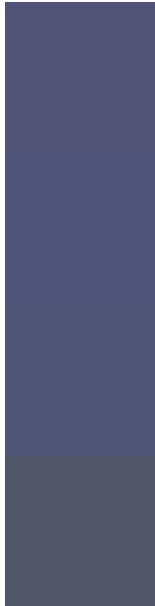
9.7181, 9.5653, 18.7868



Tritanopia

8.6616, 9.4018, 12.4245

Trichromacy



Original Color

9.9798, 9.4664, 18.7540

Protanomaly

9.7805, 9.4728, 19.0822

Deuteranomaly

9.8027, 9.4912, 18.7681

Tritanomaly

9.1313, 9.4781, 14.4449

Monochromacy



Original Color

9.9798, 9.4664, 18.7540

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

9.3262, 9.4877, 13.1441

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.9798, 9.4664, 18.7540 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(82, 84, 119)` looks like.

```
.text, #text, p{  
    color:rgb(82, 84, 119)  
}
```

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(82, 84, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 84, 119) }
```

Border

The CSS property to change the border of an element to XYZ 9.9798, 9.4664, 18.7540 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(82, 84, 119) }
```


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

```
.border{ border-color:rgb(82, 84, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 84, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 84, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 84, 119);  
box-shadow:4px 4px 4px 4px rgb(82, 84,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 9.9798, 9.4664, 18.7540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 84, 119) }
```

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

```
.background{ background-color: rgb(82, 84,  
119) }
```

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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