

Converting Colors

XYZ(9.5109, 12.9781, 11.2009)

Have a look what the booklet for
XYZ(9.5109, 12.9781, 11.2009)
contains.

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Color

**XYZ(9.5174, 12.9803,
11.2363)**

Conversions

Conversions Part 1

Format	Color
Hex	416E58
RGB	65, 110, 88
RGB Percent	25%, 43%, 35%
CMY	0.7451, 0.5686, 0.6549
CMYK	0.41, 0.00, 0.20, 0.57
HSL	151°, 26%, 34%
HSV	151°, 41%, 43%
XYZ	9.5174, 12.9803, 11.2363
YIQ	94.0370, -19.7580, -16.3820

Conversions

Conversions Part 2

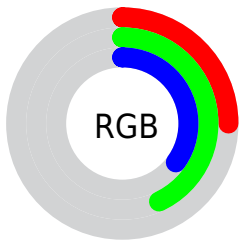
Format	Color
RYB	65, 95, 110
Decimal	4288088
CIELab	42.73, -20.98, 7.45
CIELCh	43, 22.264, 160.439
Yxy	12.9803, 0.2821, 0.3848
Android (android.graphics.Color)	4282478168 (0xFF416E58)
YUV	94.0370, -2.9762, -25.4654
Hunter-Lab	36.0282, -15.8958, 6.7286

Details

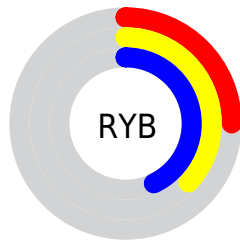
The XYZ color **9.5174, 12.9803, 11.2363** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.0415, 7.7841, 9.9908**, and the grayscale version is **10.6586, 11.2136, 12.2117**.

A 20% lighter version of the original color is **24.5780, 31.3205, 28.7948**, and **2.3724, 3.7298, 2.8804** is the 20% darker color. If you saturate the color by 10%, you get **8.6444, 12.5554, 10.0752**, and if you desaturate by 10%, it is **10.5494, 13.4860, 12.4912**.

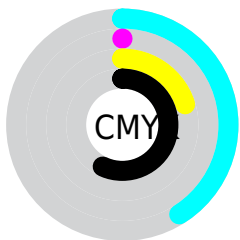
Distribution



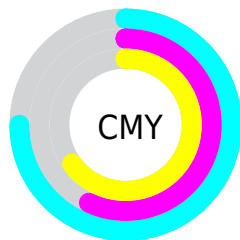
- Red (25%)
- Green (43%)
- Blue (35%)



- Red (25%)
- Yellow (37%)
- Blue (43%)



- Cyan (41%)
- Magenta (0%)
- Yellow (20%)
- Black (57%)



- Cyan (75%)
- Magenta (57%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.5174, 12.9803, 11.2363 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 9.5174, 12.9803, 11.2363 by changing the saturation by 10% instead.

■ 9.5174, 12.9803,
11.2363

■ 9.5174, 12.9803,
11.2363

181.3187,
210.7914, 210.0769

■ 5.1400, 7.4150,
6.1098

■ 24.5417, 31.2684,
28.7396

■ 2.3652, 3.7230,
2.8421

■ 35.9193, 44.7599,
41.9535

■ 0.8277, 1.5198,
1.0146

■ 50.3611, 61.6624,
58.7004

■ 0.0000, 0.3026,
0.0000

■ 68.2323, 82.3601,
79.3986

■ 0.0000, 0.0000,
0.0000

■ 89.8982, 107.2374,
104.4669

115.7244,

136.6788, 134.3236

146.0761,
171.0687, 169.3875

■ 9.5174, 12.9803,
11.2363

■ 9.5174, 12.9803,
11.2363

■ 8.6444, 12.5554,
10.0752

■ 10.5494, 13.4860,
12.4912

■ 7.9207, 12.2053,
9.0049

■ 11.7474, 14.0749,
13.8412

■ 7.3372, 11.9256,
8.0232


■ 13.1190, 14.7514,
15.2886


■ 6.8833, 11.7109,
7.1276


■ 14.6712, 15.5190,
16.8356


■ 6.5466, 11.5550,
6.3157


■ 16.4106, 16.3810,
18.4839

 6.2954, 11.4400,
5.6460

 18.3433, 17.3405,
20.2356

 20.4753, 18.4007,
22.0924

 22.8123, 19.5644,
24.0561

 25.3596, 20.8344,
26.1285

Harmonies

Analogous

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



10.3442, 12.9803, 8.1593



9.5174, 12.9803, 11.2363



9.4051, 12.9803, 15.8905

Triad

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



9.5174, 12.9803, 11.2363



12.9366, 12.9803, 25.4263



14.9843, 12.9803, 8.9080

Complementary

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



9.5174, 12.9803, 11.2363



10.0415, 7.7841, 9.9908

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.



15.8234, 12.9803, 12.5107



9.5174, 12.9803, 11.2363



14.5714, 12.9803, 22.4818

Square

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



9.5174, 12.9803, 11.2363



11.2793, 12.9803, 24.8628



15.6657, 12.9803, 17.4899



13.4596, 12.9803, 7.0434

Rectangle

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



9.5174, 12.9803, 11.2363



9.7384, 12.9803, 19.4016



15.6657, 12.9803, 17.4899



15.3619, 12.9803, 9.9171

Sweetspot

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



9.5178, 12.9808, 11.2366



22.6797, 25.7281, 26.4795



10.5079, 13.5845, 7.0695



5.2268, 5.9619, 6.1092



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



9.5178, 12.9808, 11.2366



15.2654, 22.0900, 17.8116



10.5709, 13.4021, 16.7822



3.4096, 3.7890, 3.9630



7.5476, 13.7365, 6.7043



37.1607, 68.2529, 31.0953

Inverse Universe

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



10.0415, 7.7841, 9.9908



16.3202, 11.6267, 15.3046



9.2753, 7.4776, 5.9558



3.4461, 3.4262, 3.8760



8.5039, 4.2940, 4.4637



41.9285, 21.2167, 19.9532

Previews

White Background



This preview shows how the XYZ color 9.5174, 12.9803, 11.2363 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 9.5174, 12.9803, 11.2363 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 9.5174, 12.9803, 11.2363

Background



This preview shows how black text looks on a background with the XYZ color 9.5174, 12.9803, 11.2363.



This preview shows how white text looks on a background with the XYZ color 9.5174, 12.9803,

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

9.5174, 12.9803, 11.2363

Protanopia

12.0624, 12.8030, 10.0191

Deuteranopia

13.1025, 12.8821, 11.6935



Tritanopia

10.8471, 12.8855, 18.1351

Trichromacy



Original Color

9.5174, 12.9803, 11.2363

Protanomaly

10.9044, 12.7807, 10.4865

Deuteranomaly

11.4207, 12.7277, 11.5276

Tritanomaly

10.2617, 12.8005, 15.2945

Monochromacy



Original Color

9.5174, 12.9803, 11.2363

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.0562, 11.7260, 11.8585

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.5174, 12.9803, 11.2363 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(65, 110, 88)` looks like.

```
.text, #text, p{  
    color:rgb(65, 110, 88)  
}
```

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(65, 110, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 110, 88) }
```

Border

The CSS property to change the border of an element to XYZ 9.5174, 12.9803, 11.2363 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(65, 110, 88) }
```


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

```
.border{ border-color:rgb(65, 110, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 110, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 110, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 110, 88);  
box-shadow:4px 4px 4px 4px rgb(65, 110,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 9.5174, 12.9803, 11.2363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 110, 88) }
```

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

```
.background{ background-color: rgb(65, 110,  
88) }
```

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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