

Converting Colors

XYZ(10.0000, 12.3741, 10.3253)

Have a look what the booklet for
XYZ(10.0000, 12.3741, 10.3253)
contains.

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Color

**XYZ(9.9439, 12.2901,
10.2356)**

Conversions

Conversions Part 1

Format	Color
Hex	516854
RGB	81, 104, 84
RGB Percent	32%, 41%, 33%
CMY	0.6824, 0.5921, 0.6706
CMYK	0.22, 0.00, 0.19, 0.59
HSL	128°, 12%, 36%
HSV	128°, 22%, 41%
XYZ	9.9439, 12.2901, 10.2356
YIQ	94.8430, -7.2880, -11.0960

Conversions

Conversions Part 2

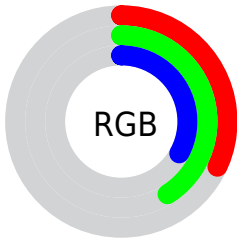
Format	Color
R_{YB}	81, 101, 104
Decimal	5335124
CIE _{Lab}	41.67, -12.99, 8.50
CIE _{LCh}	42, 15.525, 146.810
Yxy	12.2901, 0.3063, 0.3785
Android (android.graphics.Color)	4283525204 (0xFF516854)
YUV	94.8430, -5.3456, -12.1403
Hunter-Lab	35.0572, -10.7191, 7.2293

Details

The XYZ color **9.9439, 12.2901, 10.2356** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.0008, 9.7678, 13.6181**, and the grayscale version is **10.8536, 11.4188, 12.4351**.

A 20% lighter version of the original color is **25.3845, 29.9892, 27.0048**, and **2.5569, 3.4478, 2.4502** is the 20% darker color. If you saturate the color by 10%, you get **8.7884, 11.7331, 8.4504**, and if you desaturate by 10%, it is **11.2823, 12.9368, 12.2687**.

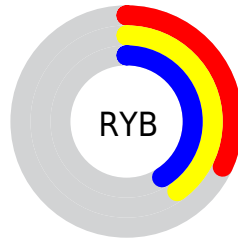
Distribution



Red (32%)

Green (41%)

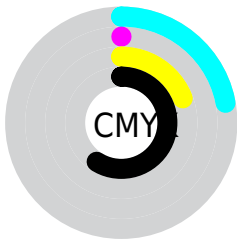
Blue (33%)



Red (32%)

Yellow (40%)

Blue (41%)

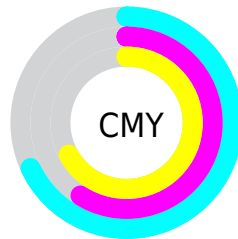


Cyan (22%)

Magenta (0%)

Yellow (19%)

Black (59%)



Cyan (68%)

Magenta (59%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.9439, 12.2901, 10.2356 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 9.9439, 12.2901, 10.2356 by changing the saturation by 10% instead.

■ 9.9439, 12.2901,
10.2356

■ 9.9439, 12.2901,
10.2356

184.3332,
206.3165, 202.8909

■ 5.4238, 6.9416,
5.4478

■ 25.3406, 30.0224,
26.8524

■ 2.5353, 3.4256,
2.4490

■ 36.9478, 43.1749,
39.5185

■ 0.9131, 1.3577,
0.8130

■ 51.6481, 59.6976,
55.6478

■ 0.0000, 0.1853,
0.0000

■ 69.8068, 79.9747,
75.6588

■ 0.0000, 0.0000,
0.0000

■ 91.7894, 104.3908,
99.9701

117.9610,

133.3302, 129.0002

148.6872,
167.1773, 163.1676

■ 9.9439, 12.2901,
10.2356

■ 9.9439, 12.2901,
10.2356

■ 8.7884, 11.7331,
8.4504

■ 11.2823, 12.9368,
12.2687

■ 7.8070, 11.2604,
6.9029

■ 12.8102, 13.6754,
14.5578

■ 6.9914, 10.8683,
5.5832

■ 14.5348, 14.5097,
17.1116

■ 6.3324, 10.5523,
4.4805

■ 16.4629, 15.4431,
19.9384

■ 5.8199, 10.3074,
3.5834

■ 18.6008, 16.4787,
23.0458

■ 5.4424, 10.1280,
2.8789

■ 20.9546, 17.6194,
26.4412

■ 5.1857, 10.0071,
2.3530

■ 23.5300, 18.8680,
30.1320

■ 5.0269, 9.9317,
2.0522

■ 26.3328, 20.2275,
34.1248

■ 29.3683, 21.7002,
38.4265

Harmonies

Analogous

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



10.7218, 12.2901, 8.5310



9.9439, 12.2901, 10.2356



9.6296, 12.2901, 13.0361

Triad

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



9.9439, 12.2901, 10.2356



11.5600, 12.2901, 20.6663



13.7456, 12.2901, 10.7492

Complementary

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



9.9439, 12.2901, 10.2356



11.0008, 9.7678, 13.6181

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.



14.0056, 12.2901, 13.7336



9.9439, 12.2901, 10.2356



12.6966, 12.2901, 19.7917

Square

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



9.9439, 12.2901, 10.2356



10.5238, 12.2901, 19.3424



13.6103, 12.2901, 17.1146



12.9208, 12.2901, 8.7920

Rectangle

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



9.9439, 12.2901, 10.2356



9.7091, 12.2901, 15.2776



13.6103, 12.2901, 17.1146



13.9042, 12.2901, 11.6498

Sweetspot

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



9.9442, 12.2906, 10.2359



21.0692, 23.3122, 23.4418



11.8384, 13.2804, 9.7241



5.1179, 5.6767, 5.6855



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



9.9442, 12.2906, 10.2359



16.2627, 20.9911, 16.1371



10.4180, 12.4801, 12.7305



2.8104, 3.1479, 3.1031



6.1883, 12.2389, 2.4869



32.0819, 63.7553, 11.9531

Inverse Universe

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



11.0008, 9.7678, 13.6181



18.5010, 15.6449, 23.3014



10.4894, 9.5632, 10.9253



2.9213, 2.8832, 3.4582



9.3272, 4.5438, 12.3870



48.4182, 23.6073, 63.4049

Previews

White Background



This preview shows how the XYZ color 9.9439, 12.2901, 10.2356 looks on a white background.

Color Contrast Check

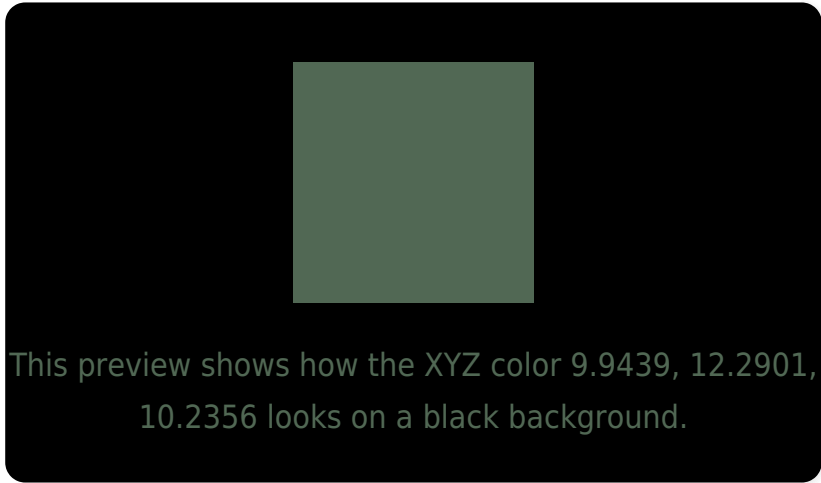
Large Text (above 18pt) WCAG AA ✓ Pass

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 9.9439, 12.2901, 10.2356

Background



This preview shows how black text looks on a background with the XYZ color 9.9439, 12.2901, 10.2356.



This preview shows how white text looks on a background with the XYZ color 9.9439, 12.2901,

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

9.9439, 12.2901, 10.2356

Protanopia

11.5618, 12.2725, 9.5440

Deuteranopia

12.3645, 12.1220, 10.4922



Tritanopia

11.1603, 12.3428, 16.2622

Trichromacy



Original Color

9.9439, 12.2901, 10.2356

Protanomaly

10.9040, 12.2103, 9.7648

Deuteranomaly

11.3742, 12.1579, 10.3416

Tritanomaly

10.7078, 12.3077, 13.8678

Monochromacy



Original Color

9.9439, 12.2901, 10.2356

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.4725, 11.6644, 11.5970

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.9439, 12.2901, 10.2356 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(81, 104, 84)` looks like.

```
.text, #text, p{  
    color:rgb(81, 104, 84)  
}
```

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(81, 104, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 104, 84) }
```

Border

The CSS property to change the border of an element to XYZ 9.9439, 12.2901, 10.2356 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(81, 104, 84) }
```


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

```
.border{ border-color:rgb(81, 104, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 104, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 104, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 104, 84);  
box-shadow:4px 4px 4px 4px rgb(81, 104,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 9.9439, 12.2901, 10.2356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 104, 84) }
```

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

```
.background{ background-color: rgb(81, 104,  
84) }
```

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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