

Converting Colors

XYZ(9.3897, 12.3943, 6.3123)

Have a look what the booklet for
XYZ(9.3897, 12.3943, 6.3123)
contains.

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Color

**XYZ(9.3897, 12.3943,
6.3123)**

Conversions

Conversions Part 1

Format	Color
Hex	516A3D
RGB	81, 106, 61
RGB Percent	32%, 42%, 24%
CMY	0.6823, 0.5843, 0.7608
CMYK	0.24, 0.00, 0.42, 0.58
HSL	93°, 27%, 33%
HSV	93°, 42%, 42%
XYZ	9.3897, 12.3943, 6.3123
YIQ	93.3950, -0.4550, -19.2950

Conversions

Conversions Part 2

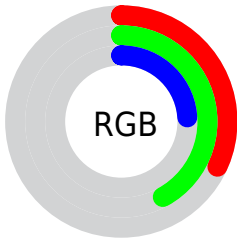
Format	Color
RYB	61, 106, 86
Decimal	5335613
CIELab	41.84, -18.15, 22.31
CIElCh	42, 28.764, 129.133
Yxy	12.3943, 0.3342, 0.4411
Android (android.graphics.Color)	4283525693 (0xFF516A3D)
YUV	93.3950, -15.9707, -10.8704
Hunter-Lab	35.2055, -14.0018, 14.0133

Details

The XYZ color **9.3897, 12.3943, 6.3123** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **8.1084, 6.3568, 14.4359**, and the grayscale version is **10.5335, 11.0821, 12.0684**.

A 20% lighter version of the original color is **24.1774, 30.0434, 18.9927**, and **2.3248, 3.5085, 1.0850** is the 20% darker color. If you saturate the color by 10%, you get **8.6491, 12.0427, 4.9318**, and if you desaturate by 10%, it is **10.2312, 12.7922, 7.9928**.

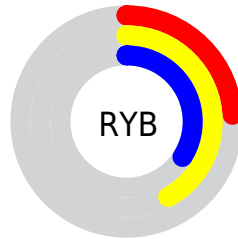
Distribution



Red (32%)

Green (42%)

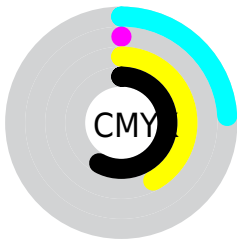
Blue (24%)



Red (24%)

Yellow (42%)

Blue (34%)

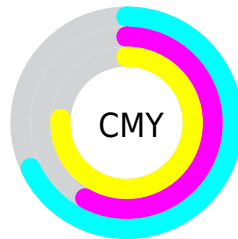


Cyan (24%)

Magenta (0%)

Yellow (42%)

Black (58%)



Cyan (68%)

Magenta (58%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.3897, 12.3943, 6.3123 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 9.3897, 12.3943, 6.3123 by changing the saturation by 10% instead.

■ 9.3897, 12.3943,
6.3123

■ 9.3897, 12.3943,
6.3123

180.4052,
206.9985, 171.2286

■ 5.0554, 7.0128,
2.9640

■ 24.3013, 30.2112,
19.0645

■ 2.3149, 3.4701,
1.0763

■ 35.6093, 43.4155,
29.3055

■ 0.8023, 1.3818,
0.0000

■ 49.9726, 59.9961,
42.6812

■ 0.0000, 0.2033,
0.0000

■ 67.7564, 80.3374,
59.6101

■ 0.0000, 0.0000,
0.0000

■ 89.3263, 104.8240,
80.5107

■ 115.0475,

133.8401, 105.8017

145.2853,
167.7701, 135.9014

■ 9.3897, 12.3943,
6.3123

■ 9.3897, 12.3943,
6.3123

■ 8.6491, 12.0427,
4.9318

■ 10.2312, 12.7922,
7.9928

■ 8.0039, 11.7337,
3.8327

■ 11.1768, 13.2365,
9.9887

■ 7.4498, 11.4660,
2.9960

■ 12.2307, 13.7294,
12.3154

■ 6.9812, 11.2372,
2.3994

■ 13.3966, 14.2724,
14.9868

■ 6.5915, 11.0444,
2.0141

■ 14.6778, 14.8672,
18.0163

■ 6.3316, 10.9155,
1.7732

■ 16.0778, 15.5151,
21.4165

■ 17.5997, 16.2176,
25.1993

■ 19.2466, 16.9758,
29.3761

■ 21.0213, 17.7912,
33.9579

Harmonies

Analogous

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



11.1449, 12.3943, 4.9370



9.3897, 12.3943, 6.3123



8.3662, 12.3943, 9.7483

Triad

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



9.3897, 12.3943, 6.3123



10.3868, 12.3943, 27.6132



16.2825, 12.3943, 11.7252

Complementary

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



9.3897, 12.3943, 6.3123



8.1084, 6.3568, 14.4359

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.



16.0163, 12.3943, 18.0971



9.3897, 12.3943, 6.3123



12.4396, 12.3943, 28.6212

Square

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



9.3897, 12.3943, 6.3123



8.8920, 12.3943, 22.2890



14.5459, 12.3943, 24.7320



15.2350, 12.3943, 7.3852

Rectangle

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



9.3897, 12.3943, 6.3123



8.1554, 12.3943, 13.3194



14.5459, 12.3943, 24.7320



16.3462, 12.3943, 13.6727

Sweetspot

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



9.3900, 12.3948, 6.3126



21.2887, 24.0124, 21.2182



10.0945, 10.0172, 5.8165



4.9111, 5.5895, 4.8009



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.



9.3900, 12.3948, 6.3126



15.1840, 21.1368, 8.6644



7.9830, 11.6624, 6.5698



3.1798, 3.5045, 3.3263



7.8192, 13.5262, 2.1987



38.8735, 68.4221, 11.1579

Inverse Universe

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



8.1084, 6.3568, 14.4359



12.6033, 8.9913, 25.0023



10.0991, 7.3964, 13.9262



3.0941, 3.1003, 3.8702



5.4197, 2.4210, 17.1039



26.6050, 11.8150, 87.1045

Previews

White Background



This preview shows how the XYZ color 9.3897, 12.3943, 6.3123 looks on a white background.

Color Contrast Check

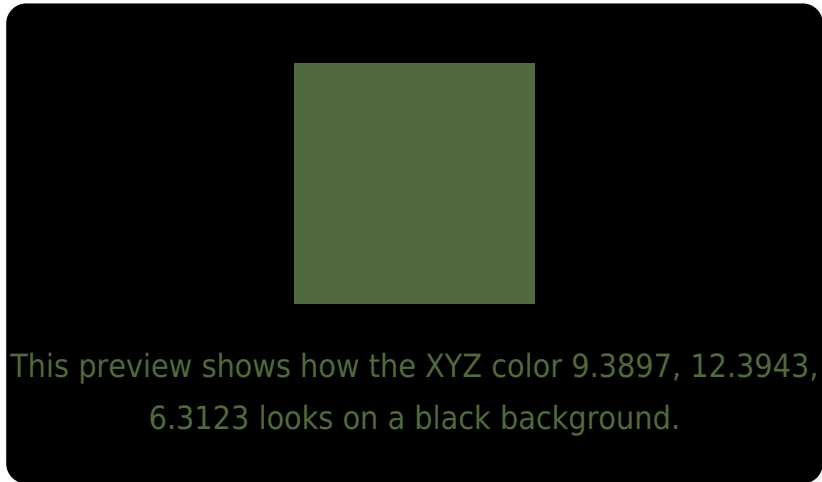
Large Text (above 18pt) WCAG AA ✓ Pass

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 9.3897, 12.3943, 6.3123

Background



This preview shows how black text looks on a background with the XYZ color 9.3897, 12.3943, 6.3123.



This preview shows how white text looks on a background with the XYZ color 9.3897, 12.3943,

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

9.3897, 12.3943, 6.3123

Protanopia

11.3157, 12.2290, 5.7670

Deuteranopia

12.3993, 12.2271, 6.5570



Tritanopia

11.2884, 12.2718, 15.9611

Trichromacy



Original Color

9.3897, 12.3943, 6.3123

Protanomaly

10.4801, 12.2198, 5.9440

Deuteranomaly

11.0906, 12.0975, 6.4531

Tritanomaly

10.3860, 12.1894, 11.7029

Monochromacy



Original Color

9.3897, 12.3943, 6.3123

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

9.9727, 11.4533, 9.4697

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.3897, 12.3943, 6.3123 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, 106, 61)` looks like.

```
.text, #text, p{  
    color:rgb(81, 106, 61)  
}
```

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, 106, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 106, 61) }
```

Border

The CSS property to change the border of an element to XYZ 9.3897, 12.3943, 6.3123 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, 106, 61) }
```


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

```
.border{ border-color:rgb(81, 106, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 106, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 106, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 106, 61);  
box-shadow:4px 4px 4px 4px rgb(81, 106,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 9.3897, 12.3943, 6.3123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 106, 61) }
```

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

```
.background{ background-color: rgb(81, 106,  
61) }
```

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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