

Converting Colors

XYZ(9.3460, 11.6924, 7.5285)

Have a look what the booklet for
XYZ(9.3460, 11.6924, 7.5285)
contains.

XYZ(9.4241, 11.7839, 7.5722)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(9.4241, 11.7839,
7.5722)**

Conversions

Conversions Part 1

Format	Color
Hex	536646
RGB	83, 102, 70
RGB Percent	33%, 40%, 27%
CMY	0.6745, 0.6000, 0.7255
CMYK	0.19, 0.00, 0.31, 0.60
HSL	96°, 19%, 34%
HSV	96°, 31%, 40%
XYZ	9.4241, 11.7839, 7.5722
YIQ	92.6710, -1.0520, -13.9800

Conversions

Conversions Part 2

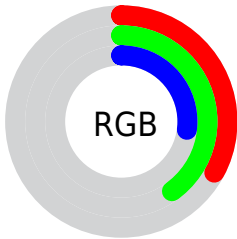
Format	Color
RYB	70, 102, 89
Decimal	5465670
CIELab	40.87, -13.71, 15.81
CIElCh	41, 20.924, 130.938
Yxy	11.7839, 0.3275, 0.4094
Android (android.graphics.Color)	4283655750 (0xFF536646)
YUV	92.6710, -11.1768, -8.4815
Hunter-Lab	34.3277, -11.0692, 10.9508

Details

The XYZ color **9.4241, 11.7839, 7.5722** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.7088, 7.4639, 13.5526**, and the grayscale version is **10.3534, 10.8926, 11.8621**.

A 20% lighter version of the original color is **24.3939, 29.1009, 21.7841**, and **2.3156, 3.2003, 1.4730** is the 20% darker color. If you saturate the color by 10%, you get **8.6179, 11.4028, 5.9942**, and if you desaturate by 10%, it is **10.3323, 12.2120, 9.4411**.

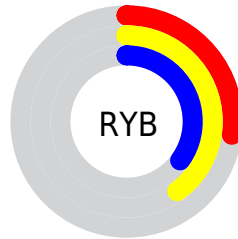
Distribution



Red (33%)

Green (40%)

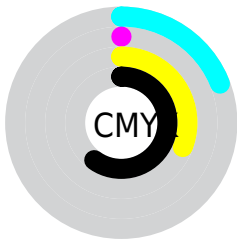
Blue (27%)



Red (27%)

Yellow (40%)

Blue (35%)

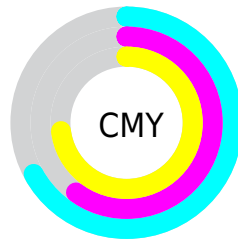


Cyan (19%)

Magenta (0%)

Yellow (31%)

Black (60%)



Cyan (67%)

Magenta (60%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.4241, 11.7839, 7.5722 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 9.4241, 11.7839, 7.5722 by changing the saturation by 10% instead.

■ 9.4241, 11.7839,
7.5722

■ 9.4241, 11.7839,
7.5722

180.6518,
202.9694, 182.1444

■ 5.0781, 6.5967,
3.7386

■ 24.3661, 29.1009,
21.6476

■ 2.3284, 3.2112,
1.4831

■ 35.6929, 41.9995,
32.7264

■ 0.8091, 1.2430,
0.2053

■ 50.0774, 58.2374,
47.0575

■ 0.0000, 0.0964,
0.0000

■ 67.8848, 78.1989,
65.0593

■ 0.0000, 0.0000,
0.0000

■ 89.4806, 102.2684,
87.1503

115.2302,

130.8304, 113.7492

145.4988,
164.2693, 145.2744

■ 9.4241, 11.7839,
7.5722

■ 9.4241, 11.7839,
7.5722

■ 8.6179, 11.4028,
5.9942

■ 10.3323, 12.2120,
9.4411

■ 7.9089, 11.0653,
4.6916

■ 11.3454, 12.6872,
11.6137

■ 7.2932, 10.7703,
3.6489

■ 12.4671, 13.2116,
14.1029

■ 6.7660, 10.5158,
2.8486

■ 13.7008, 13.7865,
16.9208

■ 6.3224, 10.2994,
2.2709

■ 15.0497, 14.4134,
20.0788

■ 5.9564, 10.1187,
1.8919

■ 16.5168, 15.0936,
23.5876

■ 5.6834, 9.9836,
1.6275

■ 18.1051, 15.8283,
27.4577

■ 19.8174, 16.6190,
31.6989

■ 21.6565, 17.4666,
36.3208

Harmonies

Analogous

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



10.6648, 11.7839, 6.3376



9.4241, 11.7839, 7.5722



8.7022, 11.7839, 10.3307

Triad

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



9.4241, 11.7839, 7.5722



10.2894, 11.7839, 22.2654



14.2588, 11.7839, 11.3343

Complementary

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



9.4241, 11.7839, 7.5722



8.7088, 7.4639, 13.5526

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.



14.1356, 11.7839, 15.7045



9.4241, 11.7839, 7.5722



11.7533, 11.7839, 22.7031

Square

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



9.4241, 11.7839, 7.5722



9.1703, 11.7839, 19.0005



13.1866, 11.7839, 20.0896



13.5095, 11.7839, 8.1660

Rectangle

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



9.4241, 11.7839, 7.5722



8.5703, 11.7839, 12.9656



13.1866, 11.7839, 20.0896



14.3196, 11.7839, 12.6966

Sweetspot

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



9.4244, 11.7844, 7.5725



20.2962, 22.4368, 21.2430



10.1301, 10.3568, 7.2597



4.7401, 5.2706, 4.9061



51.1593, 53.8236, 58.6138



5.2251, 5.4972, 5.9864

Same Dimension

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



9.4244, 11.7844, 7.5725



15.4207, 20.1428, 11.1002



8.4691, 11.2820, 7.9770



2.8926, 3.1918, 3.0381



7.2567, 12.7997, 2.0881



36.9069, 66.2722, 10.8466

Inverse Universe

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



8.7088, 7.4639, 13.5526



13.9383, 11.2025, 23.4734



9.9382, 8.1127, 12.9308



2.8338, 2.8364, 3.5301



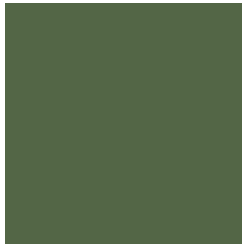
5.4738, 2.4660, 16.3318



27.5399, 12.3416, 85.1320

Previews

White Background



This preview shows how the XYZ color 9.4241, 11.7839, 7.5722 looks on a white background.

Color Contrast Check

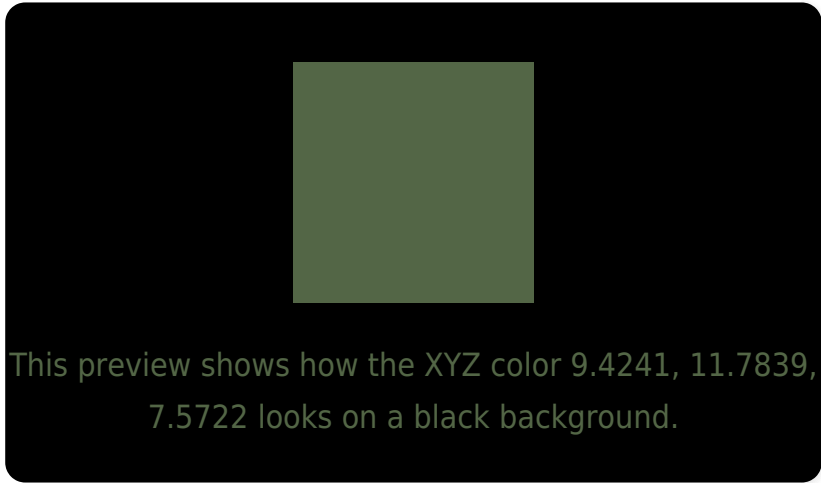
Large Text (above 18pt) WCAG AA ✓ Pass

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

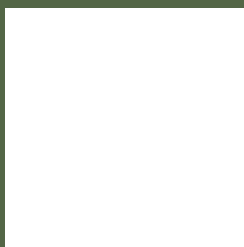
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 9.4241, 11.7839, 7.5722

Background



This preview shows how black text looks on a background with the XYZ color 9.4241, 11.7839, 7.5722.



This preview shows how white text looks on a background with the XYZ color 9.4241, 11.7839,

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

9.4241, 11.7839, 7.5722

Protanopia

10.9049, 11.7140, 6.9965

Deuteranopia

11.8069, 11.6329, 7.7540



Tritanopia

10.9420, 11.8300, 15.0713

Trichromacy



Original Color

9.4241, 11.7839, 7.5722

Protanomaly

10.2349, 11.6395, 7.1761

Deuteranomaly

10.7997, 11.6455, 7.6398

Tritanomaly

10.2314, 11.6748, 11.8394

Monochromacy



Original Color

9.4241, 11.7839, 7.5722

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

9.9424, 11.1455, 10.2216

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.4241, 11.7839, 7.5722 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(83, 102, 70)` looks like.

```
.text, #text, p{  
    color:rgb(83, 102, 70)  
}
```

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(83, 102, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 102, 70) }
```

Border

The CSS property to change the border of an element to XYZ 9.4241, 11.7839, 7.5722 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(83, 102, 70) }
```


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

```
.border{ border-color:rgb(83, 102, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 102, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 102, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 102, 70);  
box-shadow:4px 4px 4px 4px rgb(83, 102,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 9.4241, 11.7839, 7.5722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 102, 70) }
```

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

```
.background{ background-color: rgb(83, 102,  
70) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor