

Converting Colors

XYZ(10.5079, 14.8493, 4.9923)

Have a look what the booklet for
XYZ(10.5079, 14.8493, 4.9923)
contains.

XYZ(10.4417, 14.7668, 4.9893)	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(10.4417, 14.7668,
4.9893)**

Conversions

Conversions Part 1

Format	Color
Hex	53752F
RGB	83, 117, 47
RGB Percent	33%, 46%, 18%
CMY	0.6745, 0.5412, 0.8157
CMYK	0.29, 0.00, 0.60, 0.54
HSL	89°, 43%, 32%
HSV	89°, 60%, 46%
XYZ	10.4417, 14.7668, 4.9893
YIQ	98.8540, 2.2060, -28.9780

Conversions

Conversions Part 2

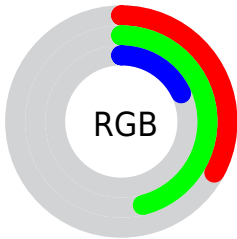
Format	Color
R_{YB}	47, 117, 81
Decimal	5469487
CIE _{Lab}	45.31, -24.81, 34.14
CIE _{LCh}	45, 42.207, 126.006
Yxy	14.7668, 0.3458, 0.4890
Android (android.graphics.Color)	4283659567 (0xFF53752F)
YUV	98.8540, -25.5640, -13.9040
Hunter-Lab	38.4276, -18.7456, 19.2013

Details

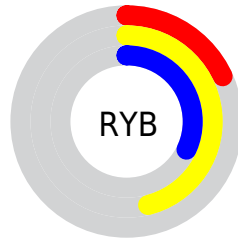
The XYZ color **10.4417, 14.7668, 4.9893** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **7.6213, 5.0671, 17.4068**, and the grayscale version is **11.8852, 12.5042, 13.6171**.

A 20% lighter version of the original color is **26.2910, 34.3714, 16.3150**, and **2.7268, 4.4743, 0.7199** is the 20% darker color. If you saturate the color by 10%, you get **9.7557, 14.4373, 3.8862**, and if you desaturate by 10%, it is **11.2329, 15.1441, 6.4284**.

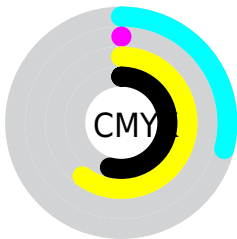
Distribution



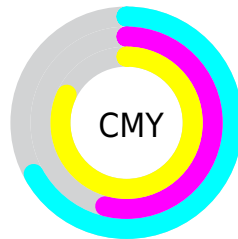
- Red (33%)
- Green (46%)
- Blue (18%)



- Red (18%)
- Yellow (46%)
- Blue (32%)



- Cyan (29%)
- Magenta (0%)
- Yellow (60%)
- Black (54%)



- Cyan (67%)
- Magenta (54%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.4417, 14.7668, 4.9893 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 10.4417, 14.7668, 4.9893 by changing the saturation by 10% instead.

■ 10.4417, 14.7668,
4.9893

■ 10.4417, 14.7668,
4.9893

187.7846,
221.9504, 158.6576

■ 5.7573, 8.6559,
2.1824

■ 26.2652, 34.4436,
16.2338

■ 2.7373, 4.5174,
0.6642

■ 38.1351, 48.7782,
25.5084

■ 1.0164, 1.9670,
0.0000

■ 53.1308, 66.6228,
37.7760

■ 0.0000, 0.5882,
0.0000

■ 71.6177, 88.3619,
53.4552

■ 0.0000, 0.0000,
0.0000

■ 93.9612, 114.3798,
72.9643

■ 120.5266,

145.0609, 96.7221

151.6793,
180.7896, 125.1470

■ 10.4417, 14.7668,
4.9893

■ 10.4417, 14.7668,
4.9893

■ 9.7557, 14.4373,
3.8862

■ 11.2329, 15.1441,
6.4284

■ 9.1676, 14.1512,
3.0909

■ 12.1337, 15.5696,
8.2270

■ 8.6708, 13.9060,
2.5718

■ 13.1496, 16.0461,
10.4074

■ 8.2424, 13.6926,
2.2143

■ 14.2854, 16.5757,
12.9900

■ 8.2353, 13.6891,
2.2082

■ 15.5455, 17.1601,
15.9936

■ 16.9341, 17.8012,
19.4360

■ 18.4551, 18.5006,
23.3338

■ 20.1124, 19.2600,
27.7027

■ 21.9095, 20.0808,
32.5580

Harmonies

Analogous

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



13.3434, 14.7668, 3.5240



10.4417, 14.7668, 4.9893



8.7446, 14.7668, 9.4499

Triad

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



10.4417, 14.7668, 4.9893



11.4747, 14.7668, 40.8715



21.8415, 14.7668, 14.1463

Complementary

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



10.4417, 14.7668, 4.9893



7.6213, 5.0671, 17.4068

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.



21.1189, 14.7668, 25.2501



10.4417, 14.7668, 4.9893



14.7509, 14.7668, 43.8434

Square

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



10.4417, 14.7668, 4.9893



9.2681, 14.7668, 30.2657



18.3714, 14.7668, 37.2316



20.2084, 14.7668, 7.2063

Rectangle

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



10.4417, 14.7668, 4.9893



8.3391, 14.7668, 14.7742



18.3714, 14.7668, 37.2316



21.8692, 14.7668, 17.4574

Sweetspot

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



10.4421, 14.7674, 4.9896



25.8741, 29.8176, 23.9481



10.7798, 9.8478, 4.0222



5.8326, 6.8015, 5.2348



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



10.4421, 14.7674, 4.9896



17.0237, 25.6361, 6.3212



8.1016, 13.5609, 4.8801



3.8035, 4.1822, 3.9491



9.0552, 15.0725, 2.4320



43.1341, 72.9382, 11.8051

Inverse Universe

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



7.6213, 5.0671, 17.4068



11.4685, 6.5218, 30.7914



11.4083, 7.0194, 17.5840



3.6542, 3.6690, 4.6058



5.3684, 2.3588, 18.7149



25.1791, 10.9888, 91.1543

Previews

White Background



This preview shows how the XYZ color 10.4417, 14.7668, 4.9893 looks on a white background.

Color Contrast Check

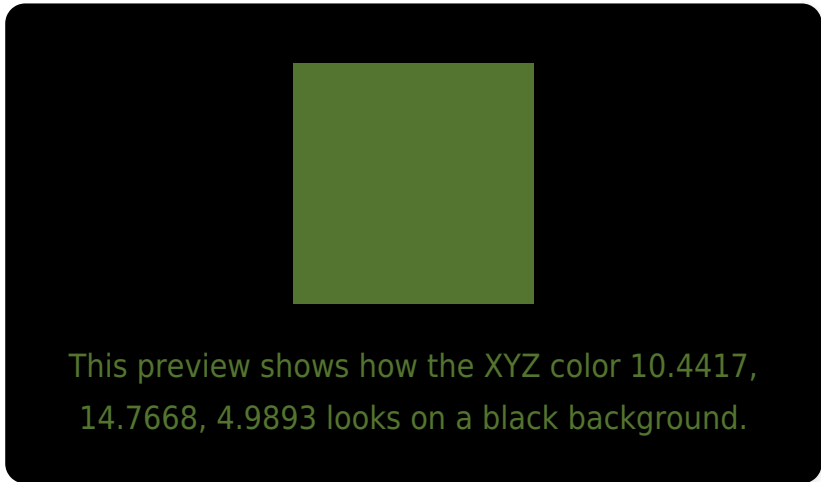
Large Text (above 18pt) WCAG AA ✓ Pass

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

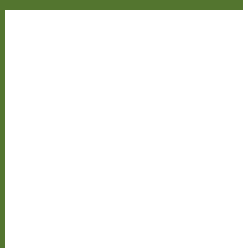
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.4417, 14.7668, 4.9893

Background



This preview shows how black text looks on a background with the XYZ color 10.4417, 14.7668, 4.9893.



This preview shows how white text looks on a background with the XYZ color 10.4417, 14.7668,

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

10.4417, 14.7668, 4.9893

Protanopia

13.3201, 14.6192, 4.5026

Deuteranopia

14.8646, 14.6473, 5.1757



Tritanopia

13.3601, 14.7870, 19.2896

Trichromacy



Original Color

10.4417, 14.7668, 4.9893

Protanomaly

12.1020, 14.6225, 4.6672

Deuteranomaly

12.7728, 14.3231, 5.1090

Tritanomaly

11.9567, 14.7068, 12.3337

Monochromacy



Original Color

10.4417, 14.7668, 4.9893

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.1162, 13.2144, 9.5542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.4417, 14.7668, 4.9893 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, 117, 47)` looks like.

```
.text, #text, p{  
    color:rgb(83, 117, 47)  
}
```

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, 117, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 117, 47) }
```

Border

The CSS property to change the border of an element to XYZ 10.4417, 14.7668, 4.9893 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, 117, 47) }
```


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

```
.border{ border-color:rgb(83, 117, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 117, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 117, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 117, 47);  
box-shadow:4px 4px 4px 4px rgb(83, 117,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 10.4417, 14.7668, 4.9893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 117, 47) }
```

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

```
.background{ background-color: rgb(83, 117,  
47) }
```

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