

Converting Colors

XYZ(10.4735, 16.4567, 3.4674)

Have a look what the booklet for
XYZ(10.4735, 16.4567, 3.4674)
contains.

XYZ(10.4498, 16.4435, 3.4873)	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(10.4498, 16.4435,
3.4873)**

Conversions

Conversions Part 1

Format	Color
Hex	4A7E18
RGB	74, 126, 24
RGB Percent	29%, 49%, 9%
CMY	0.7098, 0.5059, 0.9059
CMYK	0.41, 0.00, 0.81, 0.51
HSL	91°, 68%, 29%
HSV	91°, 81%, 49%
XYZ	10.4498, 16.4435, 3.4873
YIQ	98.8240, 1.7500, -42.7460

Conversions

Conversions Part 2

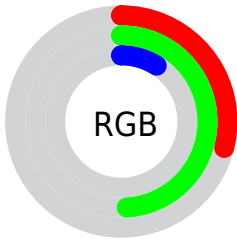
Format	Color
R_{YB}	24, 126, 76
Decimal	4881944
CIE _{Lab}	47.55, -34.40, 46.06
CIE _{LCh}	48, 57.483, 126.754
Yxy	16.4435, 0.3440, 0.5413
Android (android.graphics.Color)	4283072024 (0xFF4A7E18)
YUV	98.8240, -36.8882, -21.7706
Hunter-Lab	40.5506, -24.9645, 23.2865

Details

The XYZ color **10.4498, 16.4435, 3.4873** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **7.0738, 3.6966, 20.0802**, and the grayscale version is **11.9055, 12.5255, 13.6403**.

A 20% lighter version of the original color is **26.2121, 37.2880, 12.8370**, and **2.8729, 5.3176, 0.8750** is the 20% darker color. If you saturate the color by 10%, you get **9.8784, 16.1613, 2.9278**, and if you desaturate by 10%, it is **11.1332, 16.7775, 4.3695**.

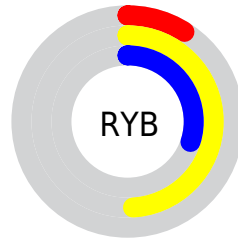
Distribution



Red (29%)

Green (49%)

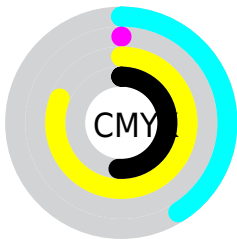
Blue (9%)



Red (9%)

Yellow (49%)

Blue (30%)

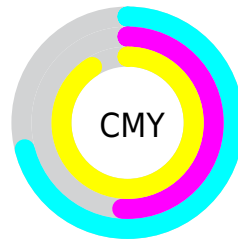


Cyan (41%)

Magenta (0%)

Yellow (81%)

Black (51%)



Cyan (71%)

Magenta (51%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.4498, 16.4435, 3.4873 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 10.4498, 16.4435, 3.4873 by changing the saturation by 10% instead.

■ 10.4498, 16.4435,
3.4873

■ 10.4498, 16.4435,
3.4873

187.8402,
231.9447, 142.3438

■ 5.7627, 9.8385,
1.3485

■ 26.2802, 37.3664,
12.8089

■ 2.7406, 5.2920,
0.1011

■ 38.1543, 52.4532,
20.8288

■ 1.0181, 2.4196,
0.0000

■ 53.1548, 71.1360,
31.6462

■ 0.0000, 0.8359,
0.0000


■ 71.6470, 93.7993,
45.6796


■ 0.0000, 0.0000,
0.0000


■ 93.9963, 120.8274,
63.3475


■ 120.5680,


152.6047, 85.0685


 151.7275,
189.5157, 111.2611


 10.4498, 16.4435,
3.4873


 10.4498, 16.4435,
3.4873


 9.8784, 16.1613,
2.9278


 11.1332, 16.7775,
4.3695

 9.4329, 15.9388,
2.5793

 11.9363, 17.1648,
5.6125

 12.8672, 17.6095,
7.2502

 13.9330, 18.1143,
9.3125

 15.1399, 18.6822,
11.8261

■ 16.4940, 19.3155,
14.8158

■ 18.0008, 20.0166,
18.3043

■ 19.6654, 20.7877,
22.3132

■ 21.4929, 21.6310,
26.8626

Harmonies

Analogous

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



14.5002, 16.4435, 1.9679



10.4498, 16.4435, 3.4873



8.2197, 16.4435, 8.9265

Triad

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



10.4498, 16.4435, 3.4873



12.0585, 16.4435, 58.2812



27.5776, 16.4435, 14.7904

Complementary

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



10.4498, 16.4435, 3.4873



7.0738, 3.6966, 20.0802

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.



26.5247, 16.4435, 31.4875



10.4498, 16.4435, 3.4873



16.8150, 16.4435, 62.9979

Square

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



10.4498, 16.4435, 3.4873



8.9969, 16.4435, 40.6131



22.2869, 16.4435, 51.3009



24.9121, 16.4435, 5.7819

Rectangle

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



10.4498, 16.4435, 3.4873



7.7200, 16.4435, 16.3556



22.2869, 16.4435, 51.3009



27.6544, 16.4435, 19.5476

Sweetspot

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



10.4502, 16.4442, 3.4877



28.1405, 33.5818, 24.0782



11.2858, 9.5344, 2.1099



6.2417, 7.5641, 5.1255



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



10.4502, 16.4442, 3.4877



16.6821, 28.0921, 4.6837



8.0029, 15.1826, 3.3731



4.4611, 4.9141, 4.6335



9.6720, 16.3485, 2.6458



0.0000, 0.0000, 0.0000

Inverse Universe

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



7.0738, 3.6966, 20.0802



10.4834, 4.7175, 35.1024



12.6974, 6.5957, 20.3434



4.3015, 4.3110, 5.4187



6.0437, 2.6693, 20.4466



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.4498, 16.4435, 3.4873 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 10.4498, 16.4435, 3.4873 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 10.4498, 16.4435, 3.4873

Background



This preview shows how black text looks on a background with the XYZ color 10.4498, 16.4435, 3.4873.



This preview shows how white text looks on a background with the XYZ color 10.4498, 16.4435,

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

10.4498, 16.4435, 3.4873

Protanopia

14.7838, 16.3728, 3.0429

Deuteranopia

16.5309, 16.2936, 3.7871



Tritanopia

14.2166, 16.3296, 22.4813

Trichromacy



Original Color

10.4498, 16.4435, 3.4873

Protanomaly

12.7981, 16.1992, 3.1617

Deuteranomaly

13.5878, 15.9103, 3.5831

Tritanomaly

12.1292, 16.0101, 12.1238

Monochromacy



Original Color

10.4498, 16.4435, 3.4873

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

10.8548, 13.5788, 8.1798

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.4498, 16.4435, 3.4873 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(74, 126, 24)` looks like.

```
.text, #text, p{  
    color:rgb(74, 126, 24)  
}
```

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(74, 126, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 126, 24) }
```

Border

The CSS property to change the border of an element to XYZ 10.4498, 16.4435, 3.4873 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(74, 126, 24) }
```


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

```
.border{ border-color:rgb(74, 126, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 126, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 126, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 126, 24);  
box-shadow:4px 4px 4px 4px rgb(74, 126,  
24) }
```

Background

The CSS property to change the background color of an element to XYZ 10.4498, 16.4435, 3.4873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 126, 24) }
```

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

```
.background{ background-color: rgb(74, 126,  
24) }
```

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